

Converting Colors

XYZ(76.0773, 80.7079, 90.9022)

Have a look what the booklet for
XYZ(76.0773, 80.7079, 90.9022)
contains.

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Color

**XYZ(75.9578, 80.6648,
90.9233)**

Conversions

Conversions Part 1

Format	Color
Hex	E3E9EC
RGB	227, 233, 236
RGB Percent	89%, 91%, 93%
CMY	0.1098, 0.0863, 0.0745
CMYK	0.04, 0.01, 0.00, 0.07
HSL	200°, 19%, 91%
HSV	200°, 4%, 93%
XYZ	75.9578, 80.6648, 90.9233
YIQ	231.5480, -4.5390, -0.3390

Conversions

Conversions Part 2

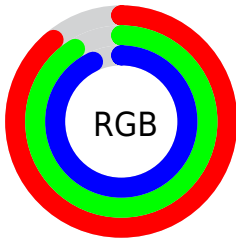
Format	Color
R_{YB}	227, 231, 236
Decimal	14936556
CIE _{Lab}	91.98, -1.44, -2.16
CIE _{LCh}	92, 2.599, 236.229
Yxy	80.6648, 0.3068, 0.3259
Android (android.graphics.Color)	4293126636 (0xFFE3E9EC)
YUV	231.5480, 2.1948, -3.9886
Hunter-Lab	89.8136, -6.2115, 2.8469

Details

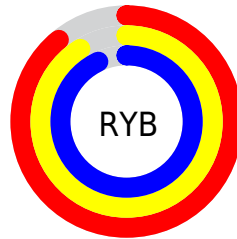
The XYZ color **75.9578, 80.6648, 90.9233** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **76.7543, 79.9719, 84.0651**, and the grayscale version is **76.3525, 80.3288, 87.4780**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.9736, 43.5102, 49.4188** is the 20% darker color. If you saturate the color by 10%, you get **66.8440, 72.7397, 89.8752**, and if you desaturate by 10%, it is **86.1956, 89.3209, 92.0557**.

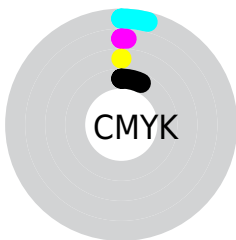
Distribution



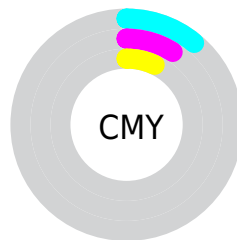
- Red (89%)
- Green (91%)
- Blue (93%)



- Red (89%)
- Yellow (91%)
- Blue (93%)



- Cyan (4%)
- Magenta (1%)
- Yellow (0%)
- Black (7%)



- Cyan (11%)
- Magenta (9%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 75.9578, 80.6648, 90.9233 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 75.9578, 80.6648, 90.9233 by changing the saturation by 10% instead.

■ 75.9578, 80.6648,
90.9233

■ 75.9578, 80.6648,
90.9233

470.1498,
497.1704, 551.6772

■ 56.6948, 60.2656,
68.1687

126.6479,
134.3000, 150.5669

■ 40.9995, 43.6327,
49.5674

158.8058,
168.3048, 188.2930

■ 28.5063, 30.3819,
34.7010

195.9927,
207.6135, 231.8467

■ 18.8501, 20.1286,
23.1510

238.5740,
252.6106, 281.6464

■ 11.6654, 12.4886,
14.4987

286.9149,
303.6804, 338.1108

■ 6.5868, 7.0773,
8.3256

341.3810,

■ 3.2491, 3.5105,

361.2074, 401.6583

4.2132

402.3375,
425.5760, 472.7076

■ 1.2868, 1.4037,
1.7430

■ 0.1733, 0.2195,
0.3900

■ 75.9578, 80.6648,
90.9233

■ 75.9578, 80.6648,
90.9233

■ 66.8440, 72.7397,
89.8752

■ 86.1956, 89.3209,
92.0557

■ 58.8046, 65.5115,
88.9037

■ 90.1697, 94.8945,
92.9221

■ 51.7968, 58.9582,
88.0082

■ 92.1405, 98.8362,
93.5790

■ 45.7718, 53.0528,
87.1859

■ 40.6767, 47.7661,
86.4340

■ 36.4532, 43.0659,
85.7493

■ 33.0360, 38.9165,
85.1285

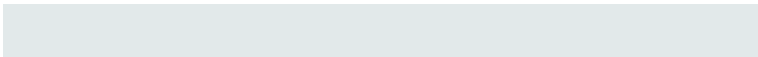
■ 30.3496, 35.2768,
84.5676

■ 28.3026, 32.0974,
84.0618

Harmonies

Analogous

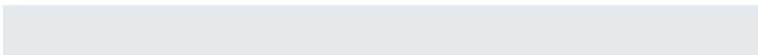
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.5232, 80.6648, 89.4659



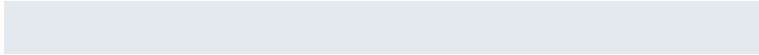
75.9578, 80.6648, 90.9233



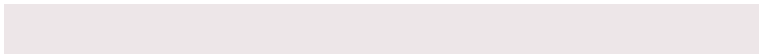
76.5850, 80.6648, 91.5517

Triad

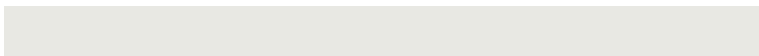
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.9578, 80.6648, 90.9233



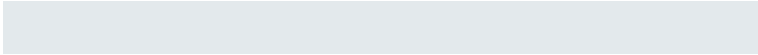
77.9581, 80.6648, 88.0724



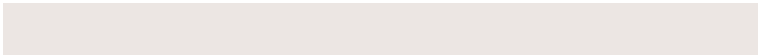
76.1033, 80.6648, 84.5721

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



75.9578, 80.6648, 90.9233



76.7543, 79.9719, 84.0651

Split Complementary

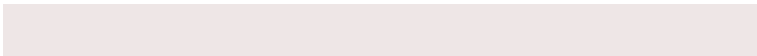
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.7540, 80.6648, 84.2111



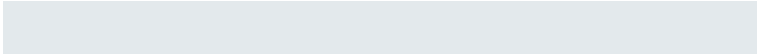
75.9578, 80.6648, 90.9233



77.8273, 80.6648, 86.2147

Square

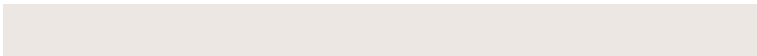
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



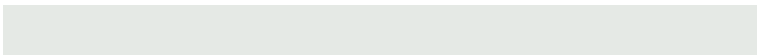
75.9578, 80.6648, 90.9233



77.7420, 80.6648, 89.8907



77.3856, 80.6648, 84.8082



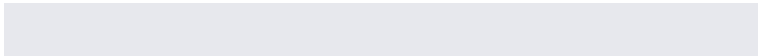
75.6069, 80.6648, 85.8016

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



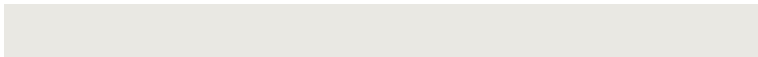
75.9578, 80.6648, 90.9233



77.0290, 80.6648, 91.4093



77.3856, 80.6648, 84.8082



76.3111, 80.6648, 84.3459

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



75.9601, 80.6682, 90.9251



93.8478, 98.9791, 108.7663



75.9372, 82.0279, 86.5845



20.1000, 21.1964, 23.2819



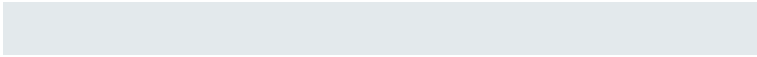
0.0000, 0.0000, 0.0000



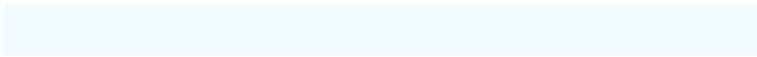
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.9601, 80.6682, 90.9251



89.1746, 94.9830, 108.2413



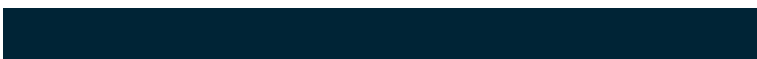
74.7428, 78.2336, 90.5193



15.8174, 16.8749, 19.3458



15.1554, 16.9578, 46.2174



1.2778, 1.5071, 3.6584

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



76.7709, 78.6558, 88.2306



90.4406, 91.8628, 104.0291



77.9810, 82.4253, 84.4741



16.0728, 16.2480, 18.4957



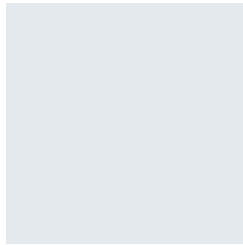
22.5050, 11.2047, 18.9927



1.8115, 0.8976, 1.7246

Previews

White Background



This preview shows how the XYZ color 75.9578, 80.6648, 90.9233 looks on a white background.

Color Contrast Check

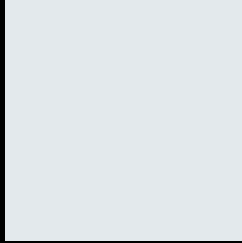
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 75.9578, 80.6648, 90.9233 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

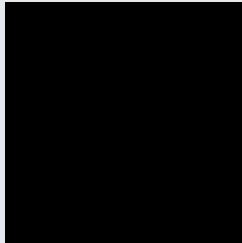
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

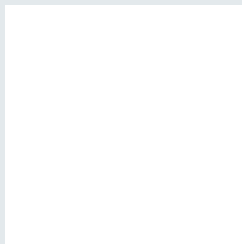
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 75.9578, 80.6648, 90.9233

Background



This preview shows how black text looks on a background with the XYZ color 75.9578, 80.6648, 90.9233.



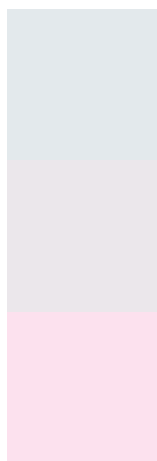
This preview shows how white text looks on a background with the XYZ color 75.9578, 80.6648,

90.9233.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

75.9578, 80.6648, 90.9233

Protanopia

77.8323, 80.8122, 90.0934

Deuteranopia

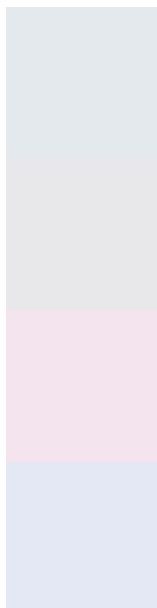
82.5027, 80.7189, 92.1209



Tritanopia

77.9879, 80.6494, 101.0790

Trichromacy



Original Color

75.9578, 80.6648, 90.9233

Protanomaly

77.1307, 80.8672, 90.1410

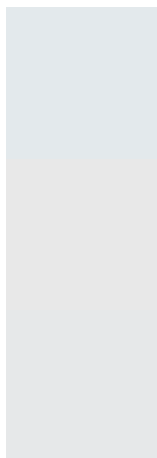
Deuteranomaly

79.9916, 80.6559, 91.4729

Tritanomaly

77.1807, 80.7389, 97.1043

Monochromacy



Original Color

75.9578, 80.6648, 90.9233

Achromatopsia

76.7008, 80.6952, 87.8771

Achromatomaly

76.1977, 80.4194, 88.5972

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.9578, 80.6648, 90.9233 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color rgb(227, 233, 236) looks like.

```
.text, #text, p{  
    color:rgb(227, 233, 236)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(227, 233, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 233, 236) }
```

Border

The CSS property to change the border of an element to XYZ 75.9578, 80.6648, 90.9233 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(227, 233, 236) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(227, 233, 236) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(227, 233, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 233, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 233, 236);  
box-shadow:4px 4px 4px 4px rgb(227, 233,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 75.9578, 80.6648, 90.9233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 233, 236) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(227,  
233, 236) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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