

Converting Colors

XYZ(72.8800, 77.7064, 90.1386)

Have a look what the booklet for
XYZ(72.8800, 77.7064, 90.1386)
contains.

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Color

**XYZ(72.9523, 77.8654,
90.5414)**

Conversions

Conversions Part 1

Format	Color
Hex	DCE6EC
RGB	220, 230, 236
RGB Percent	86%, 90%, 93%
CMY	0.1372, 0.0980, 0.0745
CMYK	0.07, 0.03, 0.00, 0.07
HSL	202°, 30%, 89%
HSV	202°, 7%, 93%
XYZ	72.9523, 77.8654, 90.5414
YIQ	227.6940, -7.8860, -0.2540

Conversions

Conversions Part 2

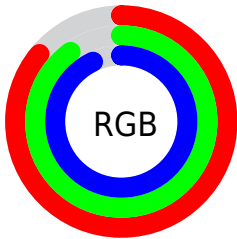
Format	Color
R _Y B	220, 226, 236
Decimal	14477036
CIE Lab	90.72, -2.20, -4.08
CIE LCh	91, 4.631, 241.647
Yxy	77.8654, 0.3023, 0.3226
Android (android.graphics.Color)	4292667116 (0xFFDCE6EC)
YUV	227.6940, 4.0949, -6.7476
Hunter-Lab	88.2414, -6.8501, 0.9336

Details

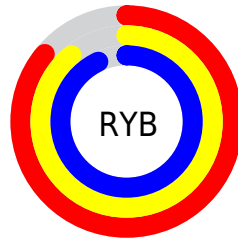
The XYZ color **72.9523, 77.8654, 90.5414** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **74.7069, 77.3921, 78.7120**, and the grayscale version is **73.4963, 77.3238, 84.2056**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.0852, 41.9546, 49.2180** is the 20% darker color. If you saturate the color by 10%, you get **63.9090, 69.6437, 89.4323**, and if you desaturate by 10%, it is **83.1333, 86.8633, 91.7428**.

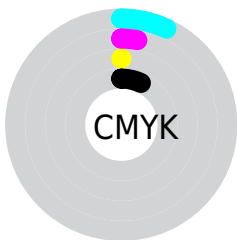
Distribution



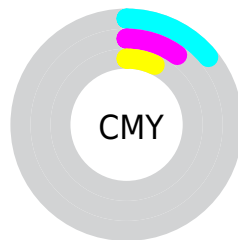
- Red (86%)
- Green (90%)
- Blue (93%)



- Red (86%)
- Yellow (89%)
- Blue (93%)



- Cyan (7%)
- Magenta (3%)
- Yellow (0%)
- Black (7%)



- Cyan (14%)
- Magenta (10%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.9523, 77.8654, 90.5414 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 72.9523, 77.8654, 90.5414 by changing the saturation by 10% instead.

■ 72.9523, 77.8654,
90.5414

■ 72.9523, 77.8654,
90.5414

459.9558,
487.7096, 550.4059

■ 54.2252, 57.9634,
67.8535

122.4130,
130.3604, 150.0323

■ 39.0131, 41.7792,
49.3126

153.8773,
163.7221, 187.6724

■ 26.9507, 28.9285,
34.5002

190.3180,
202.3393, 231.1336

■ 17.6726, 19.0267,
22.9977

232.1006,
246.5962, 280.8345

■ 10.8134, 11.6896,
14.3865

279.5903,
296.8773, 337.1937

■ 6.0079, 6.5327,
8.2482

333.1525,

■ 2.8906, 3.1716,

353.5670, 400.6296

4.1641

393.1525,
417.0496, 471.5608

■ 1.0962, 1.2220,
1.7158

■ 0.0219, 0.0795,
0.3715

■ 72.9523, 77.8654,
90.5414

■ 72.9523, 77.8654,
90.5414

■ 63.9090, 69.6437,
89.4323

■ 83.1333, 86.8633,
91.7428

■ 55.9528, 62.1629,
88.4077

■ 89.8541, 94.2634,
92.8169

■ 49.0391, 55.3996,
87.4666

■ 92.1405, 98.8362,
93.5790

■ 43.1176, 49.3247,
86.6062

■ 38.1332, 43.9071,
85.8232

■ 34.0251, 39.1125,
85.1142

■ 30.7250, 34.9023,
84.4755

■ 28.1525, 31.2323,
83.9027

■ 26.2065, 28.0469,
83.3904

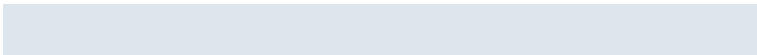
Harmonies

Analogous

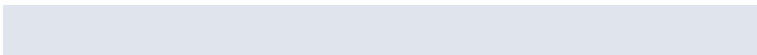
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.1222, 77.8654, 88.1855



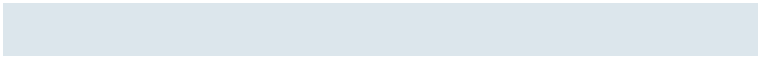
72.9523, 77.8654, 90.5414



74.0730, 77.8654, 91.3433

Triad

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



72.9523, 77.8654, 90.5414



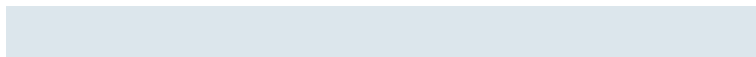
76.2656, 77.8654, 84.5983



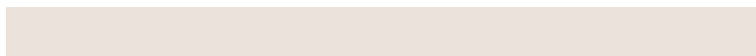
72.8421, 77.8654, 79.4486

Complementary

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



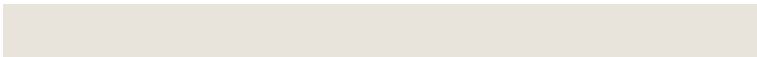
72.9523, 77.8654, 90.5414



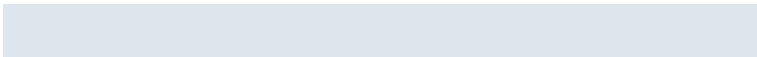
74.7069, 77.3921, 78.7120

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.



73.9445, 77.8654, 78.5430



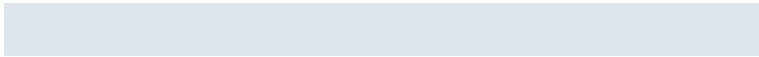
72.9523, 77.8654, 90.5414



75.9279, 77.8654, 81.4676

Square

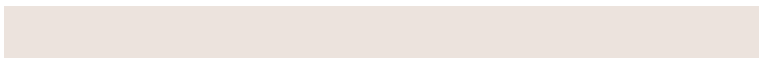
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.9523, 77.8654, 90.5414



75.9933, 77.8654, 87.8587



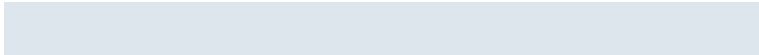
75.0753, 77.8654, 79.2725



72.0590, 77.8654, 81.7783

Rectangle

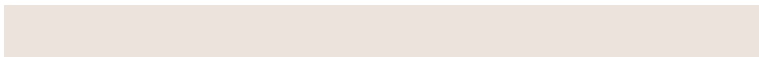
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.9523, 77.8654, 90.5414



74.8363, 77.8654, 90.8724



75.0753, 77.8654, 79.2725



73.1872, 77.8654, 78.9703

Sweetspot

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



72.9545, 77.8687, 90.5431



92.5918, 97.8321, 108.6111



73.2210, 80.6915, 83.5727



19.8442, 20.9629, 23.2503



0.0000, 0.0000, 0.0000



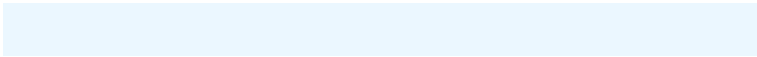
20.3446, 21.4041, 23.3091

Same Dimension

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



72.9545, 77.8687, 90.5431



85.5484, 91.5528, 107.7703



70.8134, 73.5864, 89.8294



15.0159, 16.1181, 19.2419



14.2728, 15.1927, 45.9232



1.2126, 1.3767, 3.6367

Inverse Universe

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



74.4699, 74.7339, 85.3669



87.6772, 87.1852, 100.4903



76.8964, 81.7712, 79.4419



15.4616, 15.2125, 17.7158



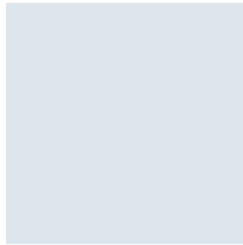
22.0596, 11.0265, 16.6469



1.7786, 0.8844, 1.5514

Previews

White Background



This preview shows how the XYZ color 72.9523, 77.8654, 90.5414 looks on a white background.

Color Contrast Check

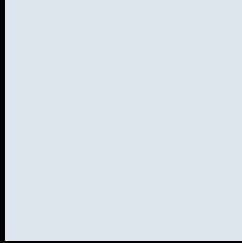
Large Text (above 18pt) WCAG AA × Fail

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 72.9523, 77.8654, 90.5414 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

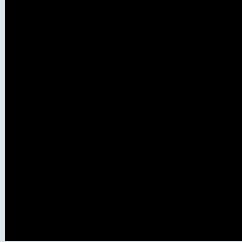
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

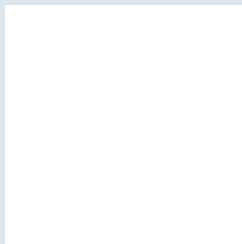
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.9523, 77.8654, 90.5414

Background



This preview shows how black text looks on a background with the XYZ color 72.9523, 77.8654, 90.5414.



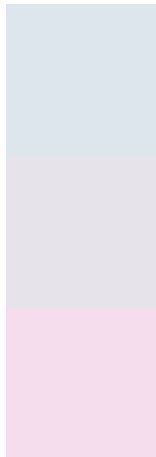
This preview shows how white text looks on a background with the XYZ color 72.9523, 77.8654,

90.5414.

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

72.9523, 77.8654, 90.5414

Protanopia

74.9535, 77.7017, 88.8894

Deuteranopia

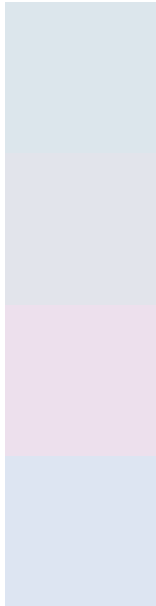
79.2951, 77.4788, 91.6645



Tritanopia

74.5022, 77.6702, 98.2539

Trichromacy



Original Color

72.9523, 77.8654, 90.5414

Protanomaly

74.1028, 77.6537, 89.6803

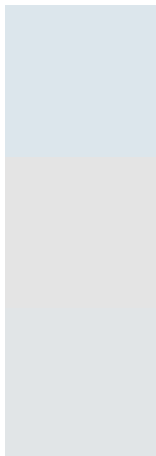
Deuteranomaly

76.8668, 77.4303, 91.0150

Tritanomaly

73.8651, 77.8216, 95.1324

Monochromacy



Original Color

72.9523, 77.8654, 90.5414

Achromatopsia

73.7419, 77.5822, 84.4870

Achromatomaly

73.4945, 77.8157, 86.7477

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.9523, 77.8654, 90.5414 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(220, 230, 236) looks like.

```
.text, #text, p{  
    color:rgb(220, 230, 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(220, 230, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 230, 236) }
```

Border

The CSS property to change the border of an element to XYZ 72.9523, 77.8654, 90.5414 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(220, 230, 236) }
```


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

```
.border{ border-color:rgb(220, 230, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 230, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 230, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 230, 236);  
box-shadow:4px 4px 4px 4px rgb(220, 230,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 72.9523, 77.8654, 90.5414 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 230, 236) }
```

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

```
.background{ background-color: rgb(220,  
230, 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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