

Converting Colors

XYZ(72.1335, 76.3943, 90.1569)

Have a look what the booklet for
XYZ(72.1335, 76.3943, 90.1569)
contains.

XYZ(72.1246, 76.2099, 90.2655)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(72.1246, 76.2099,
90.2655)**

Conversions

Conversions Part 1

Format	Color
Hex	DCE3EC
RGB	220, 227, 236
RGB Percent	86%, 89%, 93%
CMY	0.1372, 0.1098, 0.0745
CMYK	0.07, 0.04, 0.00, 0.07
HSL	214°, 30%, 89%
HSV	214°, 7%, 93%
XYZ	72.1246, 76.2099, 90.2655
YIQ	225.9330, -7.0610, 1.3150

Conversions

Conversions Part 2

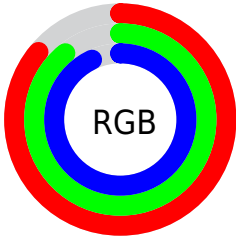
Format	Color
R _Y B	220, 225, 236
Decimal	14476268
CIE Lab	89.96, -0.65, -5.20
CIE LCh	90, 5.238, 262.831
Yxy	76.2099, 0.3023, 0.3194
Android (android.graphics.Color)	4292666348 (0xFFDCE3EC)
YUV	225.9330, 4.9630, -5.2032
Hunter-Lab	87.2983, -5.2978, -0.1964

Details

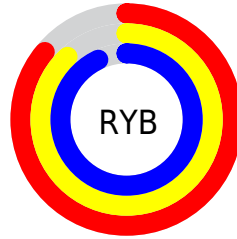
The XYZ color **72.1246, 76.2099, 90.2655** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **75.5300, 79.0382, 78.9865**, and the grayscale version is **72.2111, 75.9717, 82.7332**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.5078, 40.7997, 49.0256** is the 20% darker color. If you saturate the color by 10%, you get **61.9897, 65.8050, 88.7925**, and if you desaturate by 10%, it is **83.5520, 87.7006, 91.8823**.

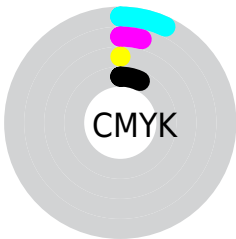
Distribution



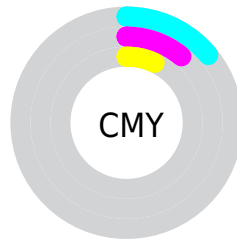
- Red (86%)
- Green (89%)
- Blue (93%)



- Red (86%)
- Yellow (88%)
- Blue (93%)



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



- Cyan (14%)
- Magenta (11%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.1246, 76.2099, 90.2655 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 72.1246, 76.2099, 90.2655 by changing the saturation by 10% instead.

■ 72.1246, 76.2099,
90.2655

■ 72.1246, 76.2099,
90.2655

457.1261,
482.0659, 549.4865

■ 53.5463, 56.6046,
67.6259

121.2435,
128.0236, 149.6459

■ 38.4683, 40.6879,
49.1287

152.5148,
161.0008, 187.2237

■ 26.5252, 28.0753,
34.3552

188.7478,
199.2041, 230.6181

■ 17.3517, 18.3824,
22.8871

230.3079,
243.0179, 280.2475

■ 10.5824, 11.2249,
14.3056

277.5604,
292.8266, 336.5305

■ 5.8520, 6.2183,
8.1924

330.8707,

■ 2.7951, 2.9783,

349.0145, 399.8857

4.1288

390.6042,
411.9662, 470.7315

■ 1.0464, 1.1204,
1.6962

■ 0.0000, 0.0000,
0.3582

■ 72.1246, 76.2099,
90.2655

■ 72.1246, 76.2099,
90.2655

■ 61.9897, 65.8050,
88.7925

■ 83.5520, 87.7006,
91.8823

■ 53.0924, 56.4421,
87.4542

■ 91.6782, 97.9116,
93.4249

■ 45.3834, 48.0881,
86.2480

■ 92.1405, 98.8362,
93.5790

■ 38.8075, 40.7046,
85.1695

■ 33.3047, 34.2502,
84.2137

■ 28.8090, 28.6801,
83.3755

■ 25.2461, 23.9446,
82.6492

■ 22.5301, 19.9875,
82.0286

■ 20.5534, 16.7407,
81.5061

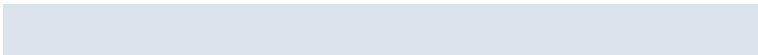
Harmonies

Analogous

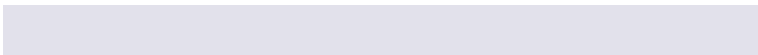
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.9397, 76.2099, 88.7987



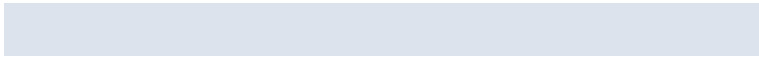
72.1246, 76.2099, 90.2655



73.4066, 76.2099, 89.7341

Triad

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



72.1246, 76.2099, 90.2655



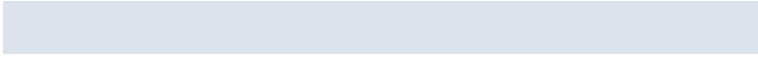
74.7568, 76.2099, 80.2406



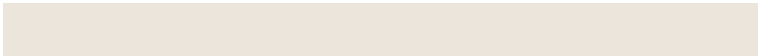
70.4672, 76.2099, 78.7412

Complementary

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



72.1246, 76.2099, 90.2655



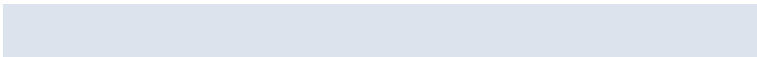
75.5300, 79.0382, 78.9865

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.



71.4724, 76.2099, 76.5729



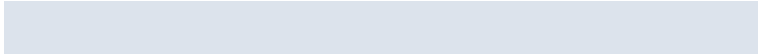
72.1246, 76.2099, 90.2655



73.9516, 76.2099, 77.4205

Square

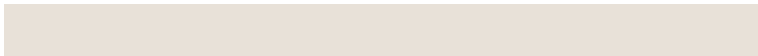
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.1246, 76.2099, 90.2655



74.9365, 76.2099, 83.8737



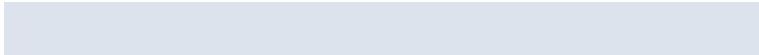
72.7467, 76.2099, 76.0968



69.9903, 76.2099, 82.0919

Rectangle

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



72.1246, 76.2099, 90.2655



74.1429, 76.2099, 88.3255



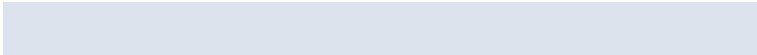
72.7467, 76.2099, 76.0968



70.7539, 76.2099, 77.8540

Sweetspot

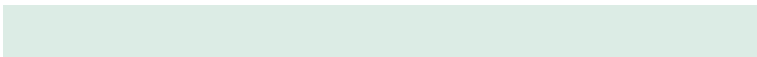
The Sweet Spot groups the original color and five complimentary colors.



72.1268, 76.2131, 90.2672



92.2905, 97.2295, 108.5107



73.6269, 80.8538, 85.7095



19.7829, 20.8402, 23.2298



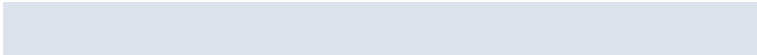
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



72.1268, 76.2131, 90.2672



84.3882, 89.2326, 107.3836



70.4927, 72.5847, 89.6529



14.7737, 15.6338, 19.1612



11.1595, 8.9660, 44.8854



0.9705, 0.8925, 3.5560

Inverse Universe

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



74.0521, 74.5669, 83.1666



87.0917, 86.9510, 97.4067



77.2420, 82.8557, 79.6331



15.3393, 15.1636, 17.0721



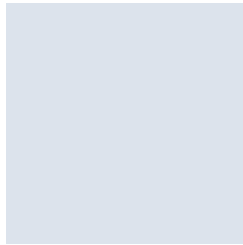
20.4881, 10.3979, 8.3716



1.6564, 0.8355, 0.9079

Previews

White Background



This preview shows how the XYZ color 72.1246, 76.2099, 90.2655 looks on a white background.

Color Contrast Check

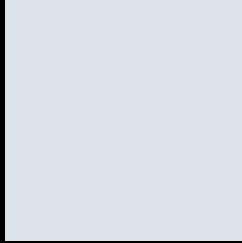
Large Text (above 18pt) WCAG AA × Fail

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 72.1246, 76.2099, 90.2655 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

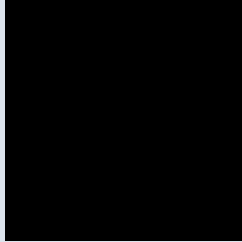
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

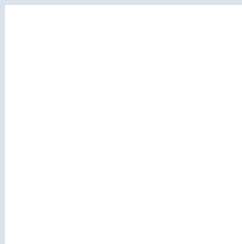
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.1246, 76.2099, 90.2655

Background



This preview shows how black text looks on a background with the XYZ color 72.1246, 76.2099, 90.2655.



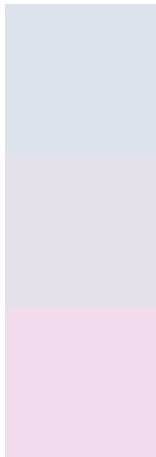
This preview shows how white text looks on a background with the XYZ color 72.1246, 76.2099,

90.2655.

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

72.1246, 76.2099, 90.2655

Protanopia

73.9155, 76.3426, 89.4371

Deuteranopia

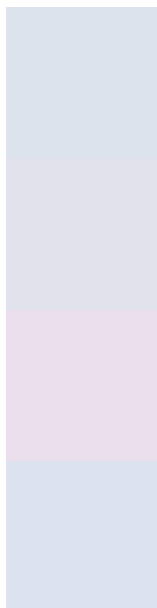
77.7263, 75.8908, 91.4407



Tritanopia

73.3443, 76.2965, 96.4490

Trichromacy



Original Color

72.1246, 76.2099, 90.2655

Protanomaly

73.2431, 76.3984, 89.4833

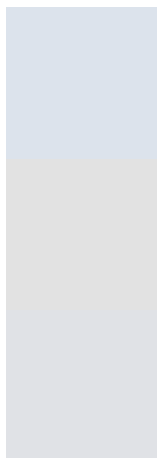
Deuteranomaly

75.6683, 76.0191, 90.8058

Tritanomaly

72.8923, 76.1157, 94.0691

Monochromacy



Original Color

72.1246, 76.2099, 90.2655

Achromatopsia

72.2879, 76.0525, 82.8211

Achromatomaly

72.2198, 75.9532, 85.7170

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.1246, 76.2099, 90.2655 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, 227, 236)` looks like.

```
.text, #text, p{  
    color:rgb(220, 227, 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, 227, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 227, 236) }
```

Border

The CSS property to change the border of an element to XYZ 72.1246, 76.2099, 90.2655 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, 227, 236) }
```


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

```
.border{ border-color:rgb(220, 227, 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, 227, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 227, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 227, 236);  
box-shadow:4px 4px 4px 4px rgb(220, 227,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 72.1246, 76.2099, 90.2655 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 227, 236) }
```

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

```
.background{ background-color: rgb(220,  
227, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor