

Converting Colors

XYZ(12.1594, 11.9858, 21.9226)

Have a look what the booklet for
XYZ(12.1594, 11.9858, 21.9226)
contains.

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Color

**XYZ(12.1990, 12.0481,
22.1046)**

Conversions

Conversions Part 1

Format	Color
Hex	596080
RGB	89, 96, 128
RGB Percent	35%, 38%, 50%
CMY	0.6510, 0.6235, 0.4980
CMYK	0.30, 0.25, 0.00, 0.50
HSL	229°, 18%, 43%
HSV	229°, 30%, 50%
XYZ	12.1990, 12.0481, 22.1046
YIQ	97.5550, -14.4440, 8.4680

Conversions

Conversions Part 2

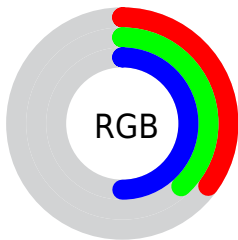
Format	Color
R_{YB}	89, 95, 128
Decimal	5857408
CIE _{Lab}	41.29, 5.26, -18.76
CIE _{LCh}	41, 19.489, 285.663
Yxy	12.0481, 0.2632, 0.2599
Android (android.graphics.Color)	4284047488 (0xFF596080)
YUV	97.5550, 15.0094, -7.5027
Hunter-Lab	34.7104, 1.9909, -13.4604

Details

The XYZ color **12.1990, 12.0481, 22.1046** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **17.5429, 18.9855, 12.1916**, and the grayscale version is **11.4660, 12.0631, 13.1368**.

A 20% lighter version of the original color is **29.4346, 29.4694, 47.8529**, and **3.5067, 3.3380, 7.8566** is the 20% darker color. If you saturate the color by 10%, you get **10.1808, 9.6792, 21.7539**, and if you desaturate by 10%, it is **14.5596, 14.7841, 22.5085**.

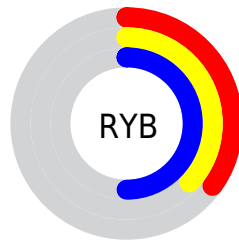
Distribution



Red (35%)

Green (38%)

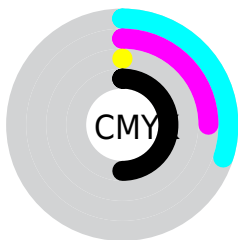
Blue (50%)



Red (35%)

Yellow (37%)

Blue (50%)

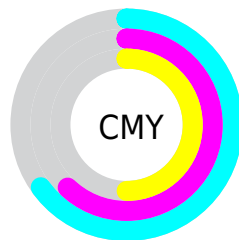


Cyan (30%)

Magenta (25%)

Yellow (0%)

Black (50%)



Cyan (65%)

Magenta (62%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.1990, 12.0481, 22.1046 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 12.1990, 12.0481, 22.1046 by changing the saturation by 10% instead.

■ 12.1990, 12.0481,
22.1046

■ 12.1990, 12.0481,
22.1046

199.4614,
204.7235, 276.0633

■ 6.9525, 6.7764,
13.7347

■ 29.4707, 29.5827,
47.8232

■ 3.4785, 3.3227,
7.7998

■ 42.2267, 42.6144,
66.0091

■ 1.4116, 1.3024,
3.8812

■ 58.2166, 59.0016,
88.3039

■ 0.2644, 0.1431,
1.5604

■ 77.8057, 79.1286,
115.1265

■ 0.0000, 0.0000,
0.2623

■ 101.3593,
103.3800, 146.8951

■ 0.0000, 0.0000,
0.0000

129.2429,

132.1399, 184.0284

161.8219,
165.7930, 226.9450

■ 12.1990, 12.0481,
22.1046

■ 12.1990, 12.0481,
22.1046

■ 10.1808, 9.6792,
21.7539

■ 14.5596, 14.7841,
22.5085

■ 8.4878, 7.6603,
21.4535

■ 17.2765, 17.9007,
22.9669

■ 7.1030, 5.9748,
21.2011

■ 20.3641, 21.4123,
23.4819

■ 6.0071, 4.6044,
20.9944

■ 23.8359, 25.3321,
24.0555

■ 5.1790, 3.5287,
20.8304

■ 27.7045, 29.6728,
24.6895

■ 4.5942, 2.7251,
20.7061

■ 31.9820, 34.4465,
25.3855

■ 4.2022, 2.1703,
20.6197

■ 36.6799, 39.6648,
26.1451

■ 41.8094, 45.3389,
26.9699

■ 47.3812, 51.4794,
27.8615

Harmonies

Analogous

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



10.7930, 12.0481, 22.1705



12.1990, 12.0481, 22.1046



13.5020, 12.0481, 19.3273

Triad

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



12.1990, 12.0481, 22.1046



13.4525, 12.0481, 8.3117



9.0204, 12.0481, 11.2880

Complementary

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



12.1990, 12.0481, 22.1046



17.5429, 18.9855, 12.1916

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.



9.6197, 12.0481, 8.4057



12.1990, 12.0481, 22.1046



12.1359, 12.0481, 6.9420

Square

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



12.1990, 12.0481, 22.1046



14.2652, 12.0481, 11.1318



10.7349, 12.0481, 6.9725



9.0342, 12.0481, 15.3282

Rectangle

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



12.1990, 12.0481, 22.1046



14.1034, 12.0481, 16.5853



10.7349, 12.0481, 6.9725



9.1545, 12.0481, 10.1717

Sweetspot

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



12.1994, 12.0486, 22.1049



31.0663, 32.2571, 40.5451



15.2813, 18.9392, 20.8915



7.1223, 7.3797, 9.4674



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



12.1994, 12.0486, 22.1049



18.7980, 18.0722, 38.4538



12.8752, 11.4907, 21.9616



4.1665, 4.3270, 5.4289



4.1676, 2.1536, 20.4460



0.0000, 0.0000, 0.0000

Inverse Universe

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



14.5861, 12.5789, 12.7260



23.7858, 19.3136, 18.8240



16.6787, 19.8489, 12.4038



4.3569, 4.3559, 4.6837



8.9806, 4.6119, 1.2214



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.1990, 12.0481, 22.1046 looks on a white 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 × Fail

Black Background



This preview shows how the XYZ color 12.1990, 12.0481, 22.1046 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

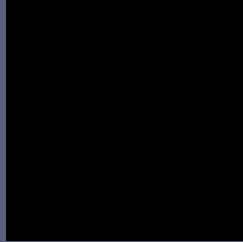
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.1990, 12.0481, 22.1046

Background



This preview shows how black text looks on a background with the XYZ color 12.1990, 12.0481, 22.1046.



This preview shows how white text looks on a background with the XYZ color 12.1990, 12.0481,

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

12.1990, 12.0481, 22.1046

Protanopia

12.1990, 12.0481, 22.1046

Deuteranopia

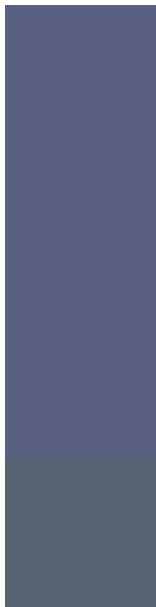
12.2956, 12.0979, 22.1092



Tritanopia

11.0103, 12.1283, 15.9481

Trichromacy



Original Color

12.1990, 12.0481, 22.1046

Protanomaly

12.1990, 12.0481, 22.1046

Deuteranomaly

12.2956, 12.0979, 22.1092

Tritanomaly

11.3941, 12.1399, 17.9624

Monochromacy



Original Color

12.1990, 12.0481, 22.1046

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

11.7543, 12.0864, 16.1814

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1990, 12.0481, 22.1046 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(89, 96, 128) looks like.

```
.text, #text, p{  
    color:rgb(89, 96, 128)  
}
```

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(89, 96, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 96, 128) }
```

Border

The CSS property to change the border of an element to XYZ 12.1990, 12.0481, 22.1046 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(89, 96, 128) }
```


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

```
.border{ border-color:rgb(89, 96, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 96, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 96, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 96, 128);  
box-shadow:4px 4px 4px 4px rgb(89, 96,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1990, 12.0481, 22.1046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 96, 128) }
```

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

```
.background{ background-color: rgb(89, 96,  
128) }
```

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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