

Converting Colors

XYZ(12.1897, 12.4676, 28.1496)

Have a look what the booklet for
XYZ(12.1897, 12.4676, 28.1496)
contains.

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Color

**XYZ(12.1897, 12.4676,
28.1496)**

Conversions

Conversions Part 1

Format	Color
Hex	476490
RGB	71, 100, 144
RGB Percent	28%, 39%, 56%
CMY	0.7216, 0.6078, 0.4353
CMYK	0.51, 0.31, 0.00, 0.44
HSL	216°, 34%, 42%
HSV	216°, 51%, 56%
XYZ	12.1897, 12.4676, 28.1496
YIQ	96.3450, -31.4080, 7.5360

Conversions

Conversions Part 2

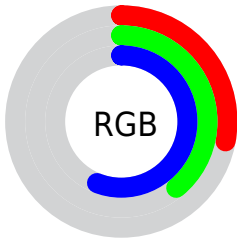
Format	Color
R_{YB}	71, 92, 144
Decimal	4678800
CIE Lab	41.95, 2.36, -27.50
CIE LCh	42, 27.597, 274.914
Yxy	12.4676, 0.2308, 0.2361
Android (android.graphics.Color)	4282868880 (0xFF476490)
YUV	96.3450, 23.4939, -22.2276
Hunter-Lab	35.3095, -0.1690, -22.5508

Details

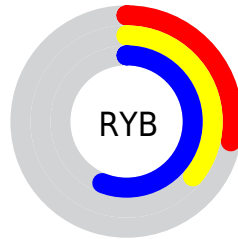
The XYZ color **12.1897, 12.4676, 28.1496** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **18.7699, 18.6459, 8.5713**, and the grayscale version is **11.1525, 11.7333, 12.7776**.

A 20% lighter version of the original color is **29.5718, 30.4955, 57.7537**, and **3.4761, 3.5220, 10.8525** is the 20% darker color. If you saturate the color by 10%, you get **10.4676, 10.4093, 27.8433**, and if you desaturate by 10%, it is **14.2517, 14.8332, 28.4978**.

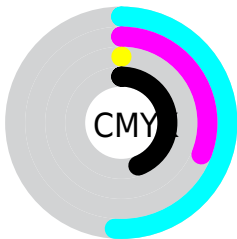
Distribution



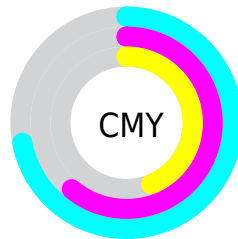
- Red (28%)
- Green (39%)
- Blue (56%)



- Red (28%)
- Yellow (36%)
- Blue (56%)



- Cyan (51%)
- Magenta (31%)
- Yellow (0%)
- Black (44%)



- Cyan (72%)
- Magenta (61%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.1897, 12.4676, 28.1496 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 12.1897, 12.4676, 28.1496 by changing the saturation by 10% instead.

■ 12.1897, 12.4676,
28.1496

■ 12.1897, 12.4676,
28.1496

199.4015,
207.4768, 307.1155

■ 6.9461, 7.0630,
18.1984

■ 29.4540, 30.3439,
57.7492

■ 3.4745, 3.5015,
10.9216

■ 42.2054, 43.5844,
78.2347

■ 1.4094, 1.3988,
5.9007

■ 58.1902, 60.2057,
103.0687

■ 0.2629, 0.2159,
2.7170

■ 77.7737, 80.5920,
132.6697

■ 0.0000, 0.0000,
0.9519

■ 101.3212,
105.1279, 167.4564

■ 0.0000, 0.0000,
0.0000

129.1981,

134.1978, 207.8472

161.7697,
168.1859, 254.2607

■ 12.1897, 12.4676,
28.1496

■ 12.1897, 12.4676,
28.1496

■ 10.4676, 10.4093,
27.8433

■ 14.2517, 14.8332,
28.4978

■ 9.0633, 8.6422,
27.5762

■ 16.6712, 17.5185,
28.8886

■ 7.9540, 7.1505,
27.3468

■ 19.4658, 20.5366,
29.3238

■ 7.1127, 5.9156,
27.1528

■ 22.6519, 23.8995,
29.8050

■ 6.5075, 4.9604,
27.0003

■ 26.2446, 27.6184,
30.3335

■ 30.2583, 31.7042,
30.9106

■ 34.7066, 36.1671,
31.5375

■ 39.6024, 41.0169,
32.2156

■ 44.9583, 46.2633,
32.9460

Harmonies

Analogous

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



10.2616, 12.4676, 26.5237



12.1897, 12.4676, 28.1496



14.2432, 12.4676, 25.0462

Triad

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



12.1897, 12.4676, 28.1496



15.3715, 12.4676, 8.1011



8.6369, 12.4676, 9.3425

Complementary

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



12.1897, 12.4676, 28.1496



18.7699, 18.6459, 8.5713

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.



9.7412, 12.4676, 6.2825



12.1897, 12.4676, 28.1496



13.5946, 12.4676, 5.7235

Square

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



12.1897, 12.4676, 28.1496



16.2099, 12.4676, 12.6342



11.5168, 12.4676, 5.1690



8.3517, 12.4676, 14.5616

Rectangle

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



12.1897, 12.4676, 28.1496



15.3634, 12.4676, 21.1219



11.5168, 12.4676, 5.1690



8.9179, 12.4676, 8.0815

Sweetspot

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



12.1901, 12.4681, 28.1499



37.2719, 39.3390, 52.1668



15.6551, 22.5196, 19.6813



8.3056, 8.7659, 11.9264



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



12.1901, 12.4681, 28.1499



18.0404, 17.8408, 49.0308



10.4541, 8.1528, 27.4085



5.2944, 5.5846, 6.8277



5.6886, 4.3632, 23.5194



0.0749, 0.0827, 0.2317

Inverse Universe

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



16.0554, 11.3562, 13.4029



25.8952, 16.4715, 18.8635



21.3783, 25.6948, 9.7944



5.4921, 5.4574, 6.0893



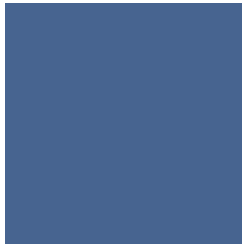
10.6744, 5.4268, 3.9370



0.1124, 0.0560, 0.0922

Previews

White Background



This preview shows how the XYZ color 12.1897, 12.4676, 28.1496 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 12.1897, 12.4676, 28.1496 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

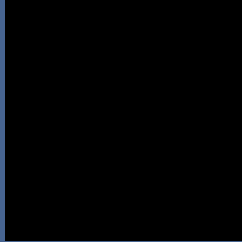
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.1897, 12.4676, 28.1496

Background



This preview shows how black text looks on a background with the XYZ color 12.1897, 12.4676, 28.1496.

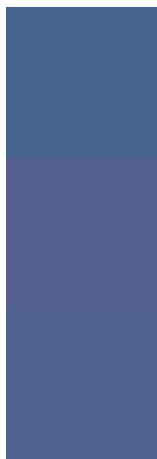


This preview shows how white text looks on a background with the XYZ color 12.1897, 12.4676,

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

12.1897, 12.4676, 28.1496

Protanopia

12.8133, 12.3872, 27.3068

Deuteranopia

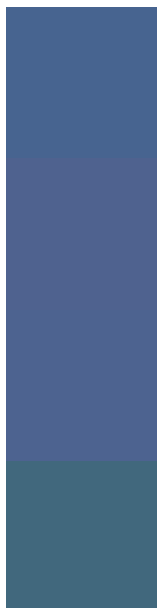
12.7100, 12.4545, 28.1196



Tritanopia

10.1158, 12.5151, 17.8021

Trichromacy



Original Color

12.1897, 12.4676, 28.1496

Protanomaly

12.5501, 12.3808, 27.7149

Deuteranomaly

12.5564, 12.5151, 28.1394

Tritanomaly

10.8320, 12.5051, 21.2449

Monochromacy



Original Color

12.1897, 12.4676, 28.1496

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

11.1858, 11.7679, 17.3047

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1897, 12.4676, 28.1496 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(71, 100, 144)` looks like.

```
.text, #text, p{  
    color:rgb(71, 100, 144)  
}
```

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(71, 100, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 100, 144) }
```

Border

The CSS property to change the border of an element to XYZ 12.1897, 12.4676, 28.1496 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(71, 100, 144) }
```


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

```
.border{ border-color:rgb(71, 100, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 100, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 100, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 100, 144);  
box-shadow:4px 4px 4px 4px rgb(71, 100,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1897, 12.4676, 28.1496 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 100, 144) }
```

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

```
.background{ background-color: rgb(71, 100,  
144) }
```

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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