

Converting Colors

XYZ(13.5625, 16.3234, 29.5314)

Have a look what the booklet for
XYZ(13.5625, 16.3234, 29.5314)
contains.

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Color

**XYZ(13.5921, 16.3781,
29.6390)**

Conversions

Conversions Part 1

Format	Color
Hex	397892
RGB	57, 120, 146
RGB Percent	22%, 47%, 57%
CMY	0.7765, 0.5294, 0.4274
CMYK	0.61, 0.18, 0.00, 0.43
HSL	198°, 44%, 40%
HSV	198°, 61%, 57%
XYZ	13.5921, 16.3781, 29.6390
YIQ	104.1270, -45.8940, -5.2700

Conversions

Conversions Part 2

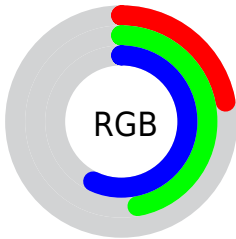
Format	Color
R_{YB}	57, 94, 146
Decimal	3766418
CIE _{Lab}	47.47, -12.09, -20.19
CIE _{LCh}	47, 23.538, 239.079
Yxy	16.3781, 0.2280, 0.2748
Android (android.graphics.Color)	4281956498 (0xFF397892)
YUV	104.1270, 20.6434, -41.3304
Hunter-Lab	40.4699, -10.8717, -15.0934

Details

The XYZ color **13.5921, 16.3781, 29.6390** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **15.6863, 12.5935, 5.4755**, and the grayscale version is **13.1479, 13.8326, 15.0637**.

A 20% lighter version of the original color is **31.8599, 37.1199, 60.1292**, and **4.3188, 5.3327, 11.6282** is the 20% darker color. If you saturate the color by 10%, you get **12.3749, 15.0063, 29.4387**, and if you desaturate by 10%, it is **15.0726, 17.9202, 29.8589**.

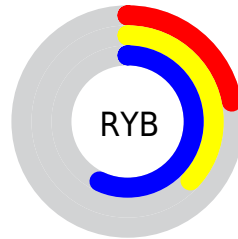
Distribution



Red (22%)

Green (47%)

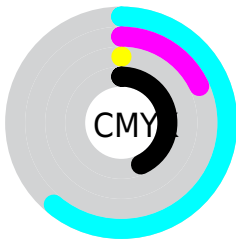
Blue (57%)



Red (22%)

Yellow (37%)

Blue (57%)

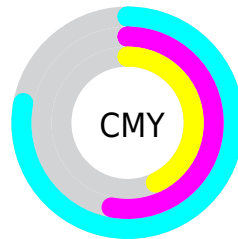


Cyan (61%)

Magenta (18%)

Yellow (0%)

Black (43%)



Cyan (78%)

Magenta (53%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.5921, 16.3781, 29.6390 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 13.5921, 16.3781, 29.6390 by changing the saturation by 10% instead.

■ 13.5921, 16.3781,
29.6390

■ 13.5921, 16.3781,
29.6390

208.2401,
231.5626, 314.3729

■ 7.9173, 9.7921,
19.3150

■ 31.9558, 37.2534,
60.1450

■ 4.0934, 5.2613,
11.7190

■ 45.3755, 52.3114,
81.1642

■ 1.7551, 2.4014,
6.4324

■ 62.1075, 70.9623,
106.5855

■ 0.4904, 0.8266,
3.0368

■ 82.5172, 93.5904,
136.8274

■ 0.0000, 0.0000,
1.1134

■ 106.9700,
120.5800, 172.3086

■ 0.0000, 0.0000,
0.0000

135.8311,

152.3157, 213.4476

169.4661,
189.1818, 260.6628

■ 13.5921, 16.3781,
29.6390

■ 13.5921, 16.3781,
29.6390

■ 12.3749, 15.0063,
29.4387

■ 15.0726, 17.9202,
29.8589

■ 11.3979, 13.7915,
29.2557

■ 16.8337, 19.6410,
30.0983

■ 10.6366, 12.7209,
29.0892

■ 18.8931, 21.5504,
30.3583

■ 10.0734, 11.8454,
28.9499

■ 21.2665, 23.6568,
30.6398

■ 23.9683, 25.9681,
30.9435

■ 27.0121, 28.4917,
31.2702

■ 30.4108, 31.2347,
31.6205

■ 34.1765, 34.2036,
31.9951

■ 38.3206, 37.4047,
32.3945

Harmonies

Analogous

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



12.3127, 16.3781, 24.0310



13.5921, 16.3781, 29.6390



15.5024, 16.3781, 31.9913

Triad

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



13.5921, 16.3781, 29.6390



19.9401, 16.3781, 18.0185



13.6945, 16.3781, 9.5480

Complementary

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



13.5921, 16.3781, 29.6390



15.6863, 12.5935, 5.4755

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.



15.6315, 16.3781, 8.6240



13.5921, 16.3781, 29.6390



19.3492, 16.3781, 12.8043

Square

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



13.5921, 16.3781, 29.6390



19.2747, 16.3781, 24.4239



17.7243, 16.3781, 9.6704



12.3680, 16.3781, 12.5492

Rectangle

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



13.5921, 16.3781, 29.6390



16.9176, 16.3781, 31.0692



17.7243, 16.3781, 9.6704



14.2900, 16.3781, 9.0184

Sweetspot

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



13.5926, 16.3787, 29.6394



38.6948, 42.7544, 54.1865



13.4980, 22.0405, 11.5694



8.3422, 9.2807, 12.0239



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.



13.5926, 16.3787, 29.6394



21.1773, 25.6874, 51.8156



9.4802, 8.1538, 28.2686



5.8225, 6.2789, 7.3748



8.8843, 10.4634, 25.4824



0.1343, 0.1791, 0.3204

Inverse Universe

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



16.7078, 10.3939, 18.8955



27.4752, 15.2963, 29.7119



20.1458, 21.5125, 6.9620



5.9638, 5.8806, 6.9157



12.6115, 6.2496, 11.9668



0.1672, 0.0816, 0.2143

Previews

White Background



This preview shows how the XYZ color 13.5921, 16.3781, 29.6390 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 13.5921, 16.3781, 29.6390 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

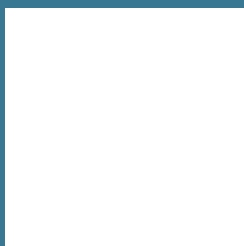
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.5921, 16.3781, 29.6390

Background



This preview shows how black text looks on a background with the XYZ color 13.5921, 16.3781, 29.6390.

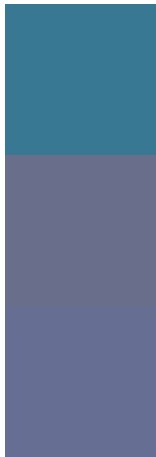


This preview shows how white text looks on a background with the XYZ color 13.5921, 16.3781,

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

13.5921, 16.3781, 29.6390

Protanopia

16.1703, 16.2362, 26.7077

Deuteranopia

16.5147, 16.1735, 30.2684



Tritanopia

12.4896, 16.2888, 24.3156

Trichromacy



Original Color

13.5921, 16.3781, 29.6390

Protanomaly

14.9243, 16.0623, 27.9049

Deuteranomaly

15.1215, 16.1196, 29.9182

Tritanomaly

12.8209, 16.2378, 26.1254

Monochromacy



Original Color

13.5921, 16.3781, 29.6390

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

12.8362, 14.5100, 19.5769

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.5921, 16.3781, 29.6390 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(57, 120, 146)` looks like.

```
.text, #text, p{  
    color:rgb(57, 120, 146)  
}
```

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(57, 120, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 120, 146) }
```

Border

The CSS property to change the border of an element to XYZ 13.5921, 16.3781, 29.6390 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(57, 120, 146) }
```


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

```
.border{ border-color:rgb(57, 120, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 120, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(57, 120, 146); -webkit-box-shadow:4px 4px 4px 4px rgb(57, 120, 146); box-shadow:4px 4px 4px 4px rgb(57, 120, 146) }
```

Background

The CSS property to change the background color of an element to XYZ 13.5921, 16.3781, 29.6390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 120, 146) }
```

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

```
.background{ background-color: rgb(57, 120,  
146) }
```

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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