

Converting Colors

XYZ(21.5740, 20.8455, 43.8771)

Have a look what the booklet for
XYZ(21.5740, 20.8455, 43.8771)
contains.

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Color

**XYZ(21.5997, 20.9294,
43.9756)**

Conversions

Conversions Part 1

Format	Color
Hex	6F7CB0
RGB	111, 124, 176
RGB Percent	44%, 49%, 69%
CMY	0.5647, 0.5137, 0.3098
CMYK	0.37, 0.30, 0.00, 0.31
HSL	228°, 29%, 56%
HSV	228°, 37%, 69%
XYZ	21.5997, 20.9294, 43.9756
YIQ	126.0410, -24.4400, 13.4160

Conversions

Conversions Part 2

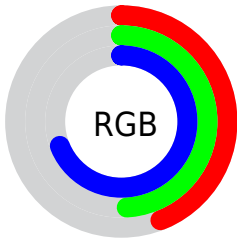
Format	Color
R_{YB}	111, 122, 176
Decimal	7306416
CIE Lab	52.87, 8.26, -29.09
CIE LCh	53, 30.241, 285.849
Yxy	20.9294, 0.2497, 0.2419
Android (android.graphics.Color)	4285496496 (0xFF6F7CB0)
YUV	126.0410, 24.6298, -13.1910
Hunter-Lab	45.7487, 4.2165, -24.9681

Details

The XYZ color **21.5997, 20.9294, 43.9756** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **33.8716, 36.5729, 20.3139**, and the grayscale version is **19.7706, 20.8002, 22.6514**.

A 20% lighter version of the original color is **45.6079, 44.8762, 82.6021**, and **7.9547, 7.4229, 19.7524** is the 20% darker color. If you saturate the color by 10%, you get **17.9592, 16.6179, 43.3357**, and if you desaturate by 10%, it is **25.9300, 25.9714, 44.7209**.

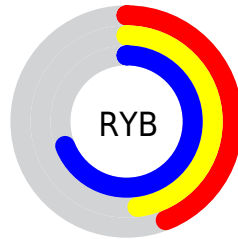
Distribution



Red (44%)

Green (49%)

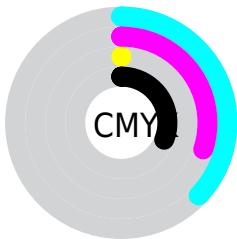
Blue (69%)



Red (44%)

Yellow (48%)

Blue (69%)

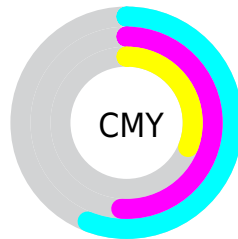


Cyan (37%)

Magenta (30%)

Yellow (0%)

Black (31%)



Cyan (56%)

Magenta (51%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.5997, 20.9294, 43.9756 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 21.5997, 20.9294, 43.9756 by changing the saturation by 10% instead.

■ 21.5997, 20.9294,
43.9756

■ 21.5997, 20.9294,
43.9756

253.1205,
256.9031, 378.6471

■ 13.6780, 13.0724,
30.3143

■ 45.5673, 44.9700,
82.4831

■ 7.9773, 7.4784,
19.8232

■ 62.3439, 61.9224,
108.1664

■ 4.1321, 3.7631,
12.0838

■ 82.8029, 82.6754,
138.6940

■ 1.7771, 1.5419,
6.6775

■ 107.3095,
107.6134, 174.4846

■ 0.5038, 0.3180,
3.1859

136.2293,
137.1207, 215.9567

■ 0.0000, 0.0000,
1.1903

169.9275,

■ 0.0000, 0.0000,

171.5819, 263.5288

0.0000

208.7694,
211.3812, 317.6194

■ 21.5997, 20.9294,
43.9756

■ 21.5997, 20.9294,
43.9756

■ 17.9592, 16.6179,
43.3357

■ 25.9300, 25.9714,
44.7209

■ 14.9699, 13.0000,
42.7949

■ 30.9814, 31.7736,
45.5746

■ 12.5926, 10.0390,
42.3486

■ 36.7862, 38.3670,
46.5414

■ 10.7831, 7.6937,
41.9913

■ 43.3739, 45.7803,
47.6251

■ 9.4906, 5.9182,
41.7167

■ 50.7723, 54.0405,
48.8295

■ 8.6469, 4.6550,
41.5174

■ 59.0080, 63.1735,
50.1583

■ 8.4434, 4.3484,
41.4689

■ 68.1064, 73.2040,
51.6148

■ 78.0915, 84.1557,
53.2024

■ 83.4875, 93.2166,
54.6670

Harmonies

Analogous

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



18.4433, 20.9294, 44.1830



21.5997, 20.9294, 43.9756



24.5813, 20.9294, 37.1943

Triad

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



21.5997, 20.9294, 43.9756



24.4348, 20.9294, 12.4399



14.5610, 20.9294, 18.7917

Complementary

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



21.5997, 20.9294, 43.9756



33.8716, 36.5729, 20.3139

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.



15.8419, 20.9294, 12.6853



21.5997, 20.9294, 43.9756



21.4163, 20.9294, 9.7320

Square

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



21.5997, 20.9294, 43.9756



26.3328, 20.9294, 18.3566



18.2782, 20.9294, 9.8080



14.5990, 20.9294, 27.8820

Rectangle

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



21.5997, 20.9294, 43.9756



25.9716, 20.9294, 30.6799



18.2782, 20.9294, 9.8080



14.8452, 20.9294, 16.3817

Sweetspot

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



21.6004, 20.9302, 43.9761



62.0597, 64.3087, 83.6372



28.6924, 37.0750, 40.2948



13.1491, 13.5957, 18.0755



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



21.6004, 20.9302, 43.9761



33.8957, 31.7196, 78.8313



22.8045, 19.2899, 43.5960



8.1751, 8.4963, 10.7154



6.2293, 3.2591, 30.4377



0.2363, 0.1831, 0.9711

Inverse Universe

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



27.2277, 22.0551, 21.8915



45.6622, 34.4756, 32.5625



32.2024, 39.3167, 20.9315



8.5636, 8.5321, 9.2001



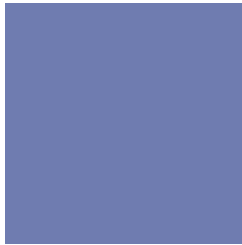
13.3789, 6.8691, 1.8895



0.4413, 0.2243, 0.1665

Previews

White Background



This preview shows how the XYZ color 21.5997, 20.9294, 43.9756 looks on a white background.

Color Contrast Check

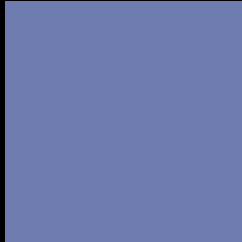
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 21.5997, 20.9294, 43.9756 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 × Fail

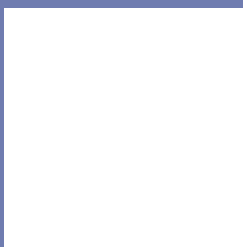
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.5997, 20.9294, 43.9756

Background



This preview shows how black text looks on a background with the XYZ color 21.5997, 20.9294, 43.9756.



This preview shows how white text looks on a background with the XYZ color 21.5997, 20.9294,

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

21.5997, 20.9294, 43.9756

Protanopia

21.4745, 20.8649, 43.9698

Deuteranopia

21.4768, 21.0530, 44.0060



Tritanopia

18.5175, 21.0393, 28.2843

Trichromacy



Original Color

21.5997, 20.9294, 43.9756

Protanomaly

21.4745, 20.8649, 43.9698

Deuteranomaly

21.6005, 21.1168, 44.0118

Tritanomaly

19.4958, 20.8356, 33.5660

Monochromacy



Original Color

21.5997, 20.9294, 43.9756

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

20.2528, 20.7458, 29.3225

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.5997, 20.9294, 43.9756 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(111, 124, 176)` looks like.

```
.text, #text, p{  
    color:rgb(111, 124, 176)  
}
```

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(111, 124, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 124, 176) }
```

Border

The CSS property to change the border of an element to XYZ 21.5997, 20.9294, 43.9756 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(111, 124, 176) }
```


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

```
.border{ border-color:rgb(111, 124, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 124, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 124, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 124, 176);  
box-shadow:4px 4px 4px 4px rgb(111, 124,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 21.5997, 20.9294, 43.9756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 124, 176) }
```

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

```
.background{ background-color: rgb(111,  
124, 176) }
```

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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