

Converting Colors

XYZ(20.3791, 21.0697, 36.9505)

Have a look what the booklet for
XYZ(20.3791, 21.0697, 36.9505)
contains.

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Color

**XYZ(20.4176, 21.0386,
37.1671)**

Conversions

Conversions Part 1

Format	Color
Hex	6D7FA2
RGB	109, 127, 162
RGB Percent	43%, 50%, 64%
CMY	0.5725, 0.5020, 0.3647
CMYK	0.33, 0.22, 0.00, 0.36
HSL	220°, 22%, 53%
HSV	220°, 33%, 64%
XYZ	20.4176, 21.0386, 37.1671
YIQ	125.6080, -21.9630, 7.0690

Conversions

Conversions Part 2

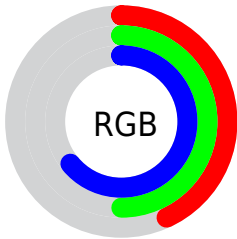
Format	Color
R_{YB}	109, 122, 162
Decimal	7176098
CIE _{Lab}	52.99, 2.07, -20.82
CIE _{LCh}	53, 20.927, 275.684
Yxy	21.0386, 0.2597, 0.2676
Android (android.graphics.Color)	4285366178 (0xFF6D7FA2)
YUV	125.6080, 17.9413, -14.5652
Hunter-Lab	45.8679, -0.8113, -15.9357

Details

The XYZ color **20.4176, 21.0386, 37.1671** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **27.6341, 28.7322, 18.5580**, and the grayscale version is **19.6453, 20.6683, 22.5078**.

A 20% lighter version of the original color is **43.7459, 45.3337, 72.0903**, and **7.3425, 7.5044, 15.8133** is the 20% darker color. If you saturate the color by 10%, you get **17.2964, 17.4867, 36.6464**, and if you desaturate by 10%, it is **24.0542, 25.0750, 37.7549**.

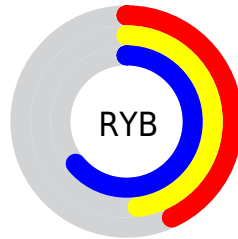
Distribution



Red (43%)

Green (50%)

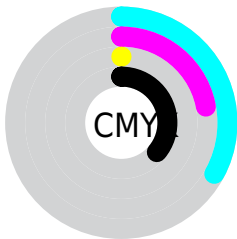
Blue (64%)



Red (43%)

Yellow (48%)

Blue (64%)

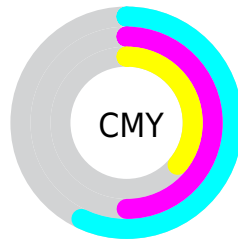


Cyan (33%)

Magenta (22%)

Yellow (0%)

Black (36%)



Cyan (57%)

Magenta (50%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4176, 21.0386, 37.1671 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 20.4176, 21.0386, 37.1671 by changing the saturation by 10% instead.

■ 20.4176, 21.0386,
37.1671

■ 20.4176, 21.0386,
37.1671

246.9577,
257.4836, 349.2239

■ 12.8090, 13.1522,
25.0401

■ 43.6148, 45.1518,
72.0189

■ 7.3732, 7.5335,
15.8876

■ 59.9342, 62.1473,
95.5808

■ 3.7450, 3.7979,
9.2912

■ 79.8878, 82.9481,
123.7914

■ 1.5589, 1.5612,
4.8322

■ 103.8411,
107.9385, 157.0692

■ 0.3654, 0.3312,
2.0921

132.1593,
137.5028, 195.8328

■ 0.0000, 0.0000,
0.6111

165.2079,

■ 0.0000, 0.0000,

172.0255, 240.5008

0.0000

203.3523,
211.8909, 291.4916

■ 20.4176, 21.0386,
37.1671

■ 20.4176, 21.0386,
37.1671

■ 17.2964, 17.4867,
36.6464

■ 24.0542, 25.0750,
37.7549

■ 14.6638, 14.3972,
36.1888

■ 28.2272, 29.6117,
38.4106

■ 12.4935, 11.7499,
35.7922

■ 32.9588, 34.6668,
39.1370

■ 10.7558, 9.5221,
35.4538

■ 38.2693, 40.2569,
39.9361

■ 9.4170, 7.6884,
35.1704

■ 44.1782, 46.3976,
40.8099

■ 8.4378, 6.2200,
34.9386

■ 50.7037, 53.1038,
41.7604

■ 7.8889, 5.3432,
34.7983

■ 57.8634, 60.3902,
42.7895

■ 65.6743, 68.2704,
43.8988

■ 74.1525, 76.7580,
45.0903

Harmonies

Analogous

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



18.3082, 21.0386, 35.7858



20.4176, 21.0386, 37.1671



22.5615, 21.0386, 34.1977

Triad

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



20.4176, 21.0386, 37.1671



23.6252, 21.0386, 16.5541



16.3910, 21.0386, 18.2811

Complementary

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



20.4176, 21.0386, 37.1671



27.6341, 28.7322, 18.5580

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.



17.6338, 21.0386, 14.4238



20.4176, 21.0386, 37.1671



21.7857, 21.0386, 13.5618

Square

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



20.4176, 21.0386, 37.1671



24.4983, 21.0386, 21.7307



19.5813, 21.0386, 12.8600



16.0831, 21.0386, 24.1259

Rectangle

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



20.4176, 21.0386, 37.1671



23.6899, 21.0386, 30.4216



19.5813, 21.0386, 12.8600



16.7086, 21.0386, 16.7453

Sweetspot

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



20.4183, 21.0394, 37.1676



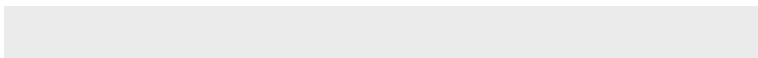
53.3156, 55.9846, 70.0522



24.2196, 31.0891, 30.8904



11.7259, 12.3070, 15.6950



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



20.4183, 21.0394, 37.1676



32.9900, 33.5732, 66.7976



19.3202, 17.3249, 36.5085



6.8880, 7.2349, 8.9365



6.2516, 4.2826, 27.4269



0.1738, 0.1748, 0.5904

Inverse Universe

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



24.2002, 20.1515, 22.6937



41.0128, 32.1128, 35.9986



29.0170, 33.8201, 19.4671



7.1684, 7.1238, 7.8733



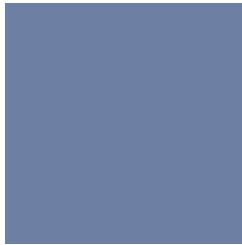
12.3010, 6.2765, 3.5097



0.2799, 0.1404, 0.1865

Previews

White Background



This preview shows how the XYZ color 20.4176, 21.0386, 37.1671 looks on a white background.

Color Contrast Check

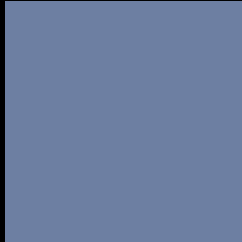
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.4176, 21.0386, 37.1671 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

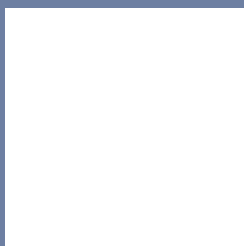
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.4176, 21.0386, 37.1671

Background



This preview shows how black text looks on a background with the XYZ color 20.4176, 21.0386, 37.1671.

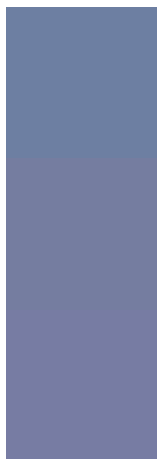


This preview shows how white text looks on a background with the XYZ color 20.4176, 21.0386,

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

20.4176, 21.0386, 37.1671

Protanopia

21.0149, 20.9872, 36.2010

Deuteranopia

21.4263, 20.9816, 37.5709



Tritanopia

18.6329, 21.0987, 28.2897

Trichromacy



Original Color

20.4176, 21.0386, 37.1671

Protanomaly

20.8333, 21.0723, 36.6875

Deuteranomaly

21.0147, 20.9564, 37.5877

Tritanomaly

19.3513, 21.1994, 31.5057

Monochromacy



Original Color

20.4176, 21.0386, 37.1671

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

19.8668, 20.7789, 27.3897

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4176, 21.0386, 37.1671 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(109, 127, 162)` looks like.

```
.text, #text, p{  
    color:rgb(109, 127, 162)  
}
```

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(109, 127, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 127, 162) }
```

Border

The CSS property to change the border of an element to XYZ 20.4176, 21.0386, 37.1671 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(109, 127, 162) }
```


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

```
.border{ border-color:rgb(109, 127, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 127, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(109, 127, 162); -webkit-box-shadow:4px 4px 4px 4px rgb(109, 127, 162); box-shadow:4px 4px 4px 4px rgb(109, 127, 162) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4176, 21.0386, 37.1671 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 127, 162) }
```

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

```
.background{ background-color: rgb(109,  
127, 162) }
```

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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