

Converting Colors

XYZ(18.3565, 19.0477, 38.0047)

Have a look what the booklet for
XYZ(18.3565, 19.0477, 38.0047)
contains.

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Color

**XYZ(18.2765, 18.9791,
37.8220)**

Conversions

Conversions Part 1

Format	Color
Hex	5E7AA4
RGB	94, 122, 164
RGB Percent	37%, 48%, 64%
CMY	0.6314, 0.5216, 0.3569
CMYK	0.43, 0.26, 0.00, 0.36
HSL	216°, 28%, 51%
HSV	216°, 43%, 64%
XYZ	18.2765, 18.9791, 37.8220
YIQ	118.4160, -30.1700, 7.1260

Conversions

Conversions Part 2

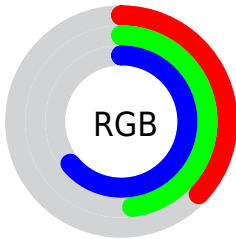
Format	Color
R _Y B	94, 114, 164
Decimal	6191780
CIE Lab	50.66, 1.26, -25.66
CIE LCh	51, 25.686, 272.801
Yxy	18.9791, 0.2434, 0.2528
Android (android.graphics.Color)	4284381860 (0xFF5E7AA4)
YUV	118.4160, 22.4729, -21.4128
Hunter-Lab	43.5650, -1.3540, -20.9785

Details

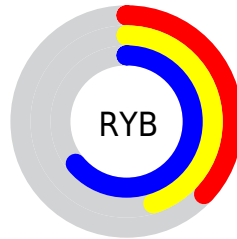
The XYZ color **18.2765, 18.9791, 37.8220** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **26.1350, 26.3097, 14.2913**, and the grayscale version is **17.2893, 18.1897, 19.8086**.

A 20% lighter version of the original color is **39.9549, 41.5896, 72.9396**, and **6.3283, 6.5597, 16.2618** is the 20% darker color. If you saturate the color by 10%, you get **15.6225, 15.9075, 37.3694**, and if you desaturate by 10%, it is **21.4115, 22.4811, 38.3331**.

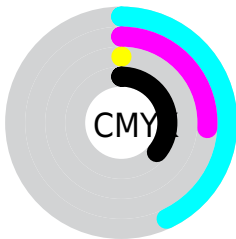
Distribution



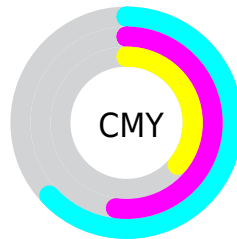
- Red (37%)
- Green (48%)
- Blue (64%)



- Red (37%)
- Yellow (45%)
- Blue (64%)



- Cyan (43%)
- Magenta (26%)
- Yellow (0%)
- Black (36%)



- Cyan (63%)
- Magenta (52%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.2765, 18.9791, 37.8220 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 18.2765, 18.9791, 37.8220 by changing the saturation by 10% instead.

■ 18.2765, 18.9791,
37.8220

■ 18.2765, 18.9791,
37.8220

235.4405,
246.3334, 352.1310

■ 11.2496, 11.6552,
25.5438

■ 40.0343, 41.6988,
73.0356

■ 6.3035, 6.5093,
16.2600

■ 55.4959, 57.8633,
96.8081

■ 3.0729, 3.1572,
9.5520

■ 74.4998, 77.7435,
125.2492

■ 1.1924, 1.2143,
5.0012

■ 97.4112, 101.7238,
158.7773

■ 0.1004, 0.0734,
2.1892

124.5957,
130.1885, 197.8110

■ 0.0000, 0.0000,
0.6681

156.4185,

■ 0.0000, 0.0000,

163.5221, 242.7688

0.0000

193.2450,
202.1089, 294.0693

■ 18.2765, 18.9791,
37.8220

■ 18.2765, 18.9791,
37.8220

■ 15.6225, 15.9075,
37.3694

■ 21.4115, 22.4811,
38.3331

■ 13.4210, 13.2451,
36.9715

■ 25.0499, 26.4289,
38.9033

■ 11.6435, 10.9718,
36.6264

■ 29.2148, 30.8399,
39.5352

■ 10.2568, 9.0648,
36.3314

■ 33.9273, 35.7298,
40.2307

■ 9.2221, 7.4976,
36.0834

■ 39.2075, 41.1133,
40.9915

■ 8.6258, 6.5302,
35.9281

■ 45.0741, 47.0047,
41.8195

■ 51.5452, 53.4176,
42.7162

■ 58.6380, 60.3649,
43.6833

■ 66.3689, 67.8593,
44.7224

Harmonies

Analogous

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



15.9170, 18.9791, 35.5995



18.2765, 18.9791, 37.8220



20.7887, 18.9791, 34.6354

Triad

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



18.2765, 18.9791, 37.8220



22.4186, 18.9791, 14.0315



14.0693, 18.9791, 14.9571

Complementary

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



18.2765, 18.9791, 37.8220



26.1350, 26.3097, 14.2913

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.



15.5432, 18.9791, 11.0699



18.2765, 18.9791, 37.8220



20.3419, 18.9791, 10.6293

Square

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



18.2765, 18.9791, 37.8220



23.3152, 18.9791, 19.9953



17.8037, 18.9791, 9.6858



13.6257, 18.9791, 21.3495

Rectangle

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



18.2765, 18.9791, 37.8220



22.1734, 18.9791, 30.2242



17.8037, 18.9791, 9.6858



14.4535, 18.9791, 13.3694

Sweetspot

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



18.2771, 18.9798, 37.8225



52.5772, 55.5052, 71.6948



22.3361, 30.7087, 28.0434



11.1300, 11.7514, 15.6191



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.



18.2771, 18.9798, 37.8225



28.6768, 29.2517, 67.8870



16.0711, 13.4533, 36.8720



6.9221, 7.3033, 8.9479



6.6580, 5.0953, 27.5624



0.1855, 0.1982, 0.5943

Inverse Universe

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



22.8260, 17.3038, 20.5499



38.2345, 26.5798, 31.4045



29.2009, 34.5276, 15.7159



7.1857, 7.1307, 7.9641



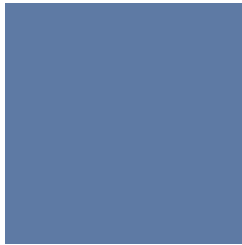
12.5061, 6.3585, 4.5898



0.2858, 0.1428, 0.2175

Previews

White Background



This preview shows how the XYZ color 18.2765, 18.9791, 37.8220 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 18.2765, 18.9791, 37.8220 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

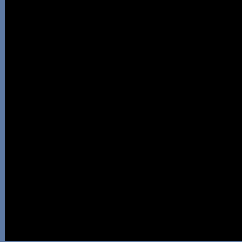
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

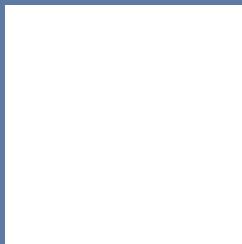
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.2765, 18.9791, 37.8220

Background



This preview shows how black text looks on a background with the XYZ color 18.2765, 18.9791, 37.8220.

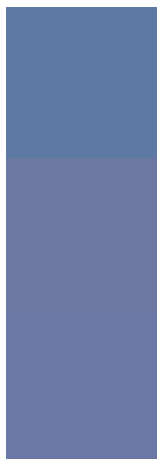


This preview shows how white text looks on a background with the XYZ color 18.2765, 18.9791,

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

18.2765, 18.9791, 37.8220

Protanopia

19.3028, 18.9904, 36.8306

Deuteranopia

19.4518, 19.0361, 38.2464



Tritanopia

16.0352, 19.0111, 26.4913

Trichromacy



Original Color

18.2765, 18.9791, 37.8220

Protanomaly

18.9208, 18.9608, 37.3129

Deuteranomaly

18.9875, 18.9743, 38.2590

Tritanomaly

16.8165, 18.9475, 30.3747

Monochromacy



Original Color

18.2765, 18.9791, 37.8220

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

17.2767, 18.1941, 25.5229

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.2765, 18.9791, 37.8220 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(94, 122, 164) looks like.

```
.text, #text, p{  
    color:rgb(94, 122, 164)  
}
```

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(94, 122, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 122, 164) }
```

Border

The CSS property to change the border of an element to XYZ 18.2765, 18.9791, 37.8220 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(94, 122, 164) }
```


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

```
.border{ border-color:rgb(94, 122, 164) }
```

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

Here you see how a box with a 4 pixel rgb(94, 122, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 122, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 122, 164);  
box-shadow:4px 4px 4px 4px rgb(94, 122,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 18.2765, 18.9791, 37.8220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 122, 164) }
```

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

```
.background{ background-color: rgb(94, 122,  
164) }
```

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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