

Converting Colors

XYZ(18.7720, 12.3236, 67.7195)

Have a look what the booklet for
XYZ(18.7720, 12.3236, 67.7195)
contains.

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Color

**XYZ(18.7591, 12.3594,
67.7266)**

Conversions

Conversions Part 1

Format	Color
Hex	504FDA
RGB	80, 79, 218
RGB Percent	31%, 31%, 85%
CMY	0.6862, 0.6902, 0.1451
CMYK	0.63, 0.64, 0.00, 0.15
HSL	240°, 65%, 58%
HSV	240°, 64%, 85%
XYZ	18.7591, 12.3594, 67.7266
YIQ	95.1450, -44.0230, 43.4410

Conversions

Conversions Part 2

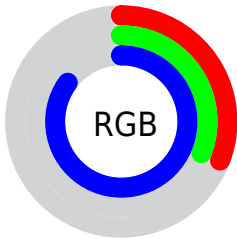
Format	Color
R_{YB}	80, 79, 218
Decimal	5263322
CIE _{Lab}	41.78, 42.05, -71.10
CIE _{LCh}	42, 82.607, 300.603
Yxy	12.3594, 0.1898, 0.1250
Android (android.graphics.Color)	4283453402 (0xFF504FDA)
YUV	95.1450, 60.5675, -13.2822
Hunter-Lab	35.1559, 33.7242, -89.6108

Details

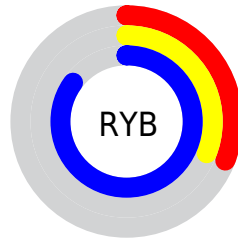
The XYZ color **18.7591, 12.3594, 67.7266** is a dark color, and the websafe version is hex **6666FF**. The color can be described as dark muted blue. A complement of this color would be **55.0962, 65.4583, 17.1280**, and the grayscale version is **10.7797, 11.3410, 12.3504**.

A 20% lighter version of the original color is **37.2279, 28.7602, 98.1969**, and **7.0936, 3.7527, 34.5329** is the 20% darker color. If you saturate the color by 10%, you get **15.8942, 8.9186, 67.2138**, and if you desaturate by 10%, it is **22.7290, 17.1349, 68.4394**.

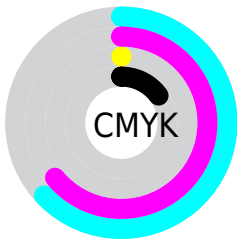
Distribution



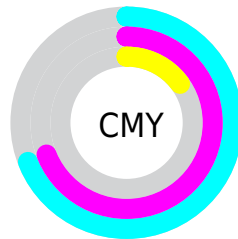
- Red (31%)
- Green (31%)
- Blue (85%)



- Red (31%)
- Yellow (31%)
- Blue (85%)



- Cyan (63%)
- Magenta (64%)
- Yellow (0%)
- Black (15%)



- Cyan (69%)
- Magenta (69%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.7591, 12.3594, 67.7266 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 18.7591, 12.3594, 67.7266 by changing the saturation by 10% instead.

■ 18.7591, 12.3594,
67.7266

■ 18.7591, 12.3594,
67.7266

238.0793,
206.7703, 471.0985

■ 11.5993, 6.9889,
49.2100

■ 40.8467, 30.1480,
117.6115

■ 6.5417, 3.4552,
34.4194

■ 56.5052, 43.3349,
149.8168

■ 3.2209, 1.3737,
22.9360

■ 75.7272, 59.8962,
187.4222

■ 1.2717, 0.1972,
14.3414

■ 98.8783, 80.2161,
230.8462

■ 0.1618, 0.0000,
8.2170

■ 126.3237,
104.6790, 280.5073

■ 0.0000, 0.0000,
4.1444

158.4288,

■ 0.0000, 0.0000,

133.6695, 336.8240

1.7049

195.5589,
167.5718, 400.2149

■ 0.0000, 0.0000,
0.3641

■ 0.0000, 0.0000,
0.0000

■ 18.7591, 12.3594,
67.7266

■ 18.7591, 12.3594,
67.7266

■ 15.8942, 8.9186,
67.2138

■ 22.7290, 17.1349,
68.4394

■ 14.0209, 6.6759,
66.8796

■ 27.8985, 23.3613,
69.3688

■ 13.0050, 5.4676,
66.7000

■ 34.3542, 31.1436,
70.5307

■ 12.6747, 5.0722,
66.6410

■ 42.1744, 40.5766,
71.9393

■ 51.4309, 51.7475,
73.6076

■ 62.1907, 64.7376,
75.5479

■ 74.5164, 79.6230,
77.7714

■ 88.4672, 96.4753,
80.2889

■ 89.6550, 97.8420,
80.4901

Harmonies

Analogous

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



11.8706, 12.3594, 82.3568



18.7591, 12.3594, 67.7266



25.1572, 12.3594, 37.4848

Triad

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



18.7591, 12.3594, 67.7266



18.4696, 12.3594, 0.0047



3.5070, 12.3594, 13.8125

Complementary

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



18.7591, 12.3594, 67.7266



55.0962, 65.4583, 17.1280

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.



4.2228, 12.3594, 2.8060



18.7591, 12.3594, 67.7266



11.6247, 12.3594, 0.0000

Square

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



18.7591, 12.3594, 67.7266



24.9534, 12.3594, 2.5969



6.7449, 12.3594, 0.0655



4.2853, 12.3594, 38.7053

Rectangle

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



18.7591, 12.3594, 67.7266



27.4643, 12.3594, 19.6966



6.7449, 12.3594, 0.0655



3.5772, 12.3594, 8.6980

Sweetspot

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



18.7598, 12.3597, 67.7270



65.9584, 64.8790, 103.6543



40.9509, 56.8673, 75.1482



13.3264, 12.9318, 22.0437



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



18.7598, 12.3597, 67.7270



21.4639, 11.2750, 95.6528



27.7544, 16.9966, 68.1479



12.3474, 12.6217, 16.4376



7.5973, 3.0407, 39.9249



0.4953, 0.1986, 2.5867

Inverse Universe

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



44.2331, 25.5069, 68.2332



60.6078, 31.4808, 96.2937



38.7863, 57.0502, 16.3647



13.6101, 13.2732, 16.4742



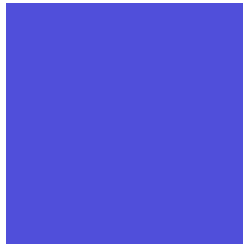
24.7824, 11.9140, 40.0957



1.6069, 0.7724, 2.6047

Previews

White Background



This preview shows how the XYZ color 18.7591, 12.3594, 67.7266 looks on a white background.

Color Contrast Check

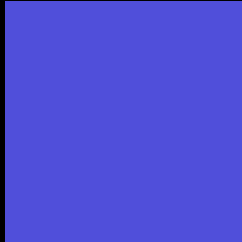
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.7591, 12.3594, 67.7266 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

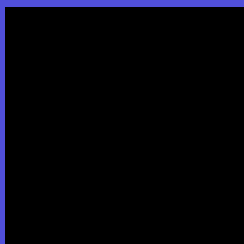
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.7591, 12.3594, 67.7266

Background



This preview shows how black text looks on a background with the XYZ color 18.7591, 12.3594, 67.7266.



This preview shows how white text looks on a background with the XYZ color 18.7591, 12.3594,

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

18.7591, 12.3594, 67.7266

Protanopia

14.5175, 12.3545, 56.2631

Deuteranopia

12.1001, 12.2859, 40.7634



Tritanopia

8.9046, 12.3308, 19.0503

Trichromacy



Original Color

18.7591, 12.3594, 67.7266

Protanomaly

15.3416, 11.9110, 60.5219

Deuteranomaly

13.6064, 11.7640, 49.6977

Tritanomaly

10.9634, 11.4618, 32.2064

Monochromacy



Original Color

18.7591, 12.3594, 67.7266

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

12.5225, 11.2119, 26.3150

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7591, 12.3594, 67.7266 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(80, 79, 218)` looks like.

```
.text, #text, p{  
    color:rgb(80, 79, 218)  
}
```

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(80, 79, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 79, 218) }
```

Border

The CSS property to change the border of an element to XYZ 18.7591, 12.3594, 67.7266 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(80, 79, 218) }
```


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

```
.border{ border-color:rgb(80, 79, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 79, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 79, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 79, 218);  
box-shadow:4px 4px 4px 4px rgb(80, 79,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 18.7591, 12.3594, 67.7266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 79, 218) }
```

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

```
.background{ background-color: rgb(80, 79,  
218) }
```

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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