

Converting Colors

XYZ(18.4763, 8.7600, 70.4401)

Have a look what the booklet for
XYZ(18.4763, 8.7600, 70.4401)
contains.

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Color

**XYZ(18.4519, 8.7404,
70.5266)**

Conversions

Conversions Part 1

Format	Color
Hex	5E20DF
RGB	94, 32, 223
RGB Percent	37%, 13%, 87%
CMY	0.6313, 0.8745, 0.1255
CMYK	0.58, 0.86, 0.00, 0.13
HSL	259°, 75%, 50%
HSV	259°, 86%, 87%
XYZ	18.4519, 8.7404, 70.5266
YIQ	72.3120, -24.3590, 72.5450

Conversions

Conversions Part 2

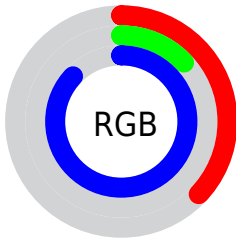
Format	Color
R_{YB}	94, 32, 223
Decimal	6168799
CIE _{Lab}	35.48, 67.62, -84.29
CIE _{LCh}	35, 108.060, 308.738
Yxy	8.7404, 0.1888, 0.0894
Android (android.graphics.Color)	4284358879 (0xFF5E20DF)
YUV	72.3120, 74.2892, 19.0204
Hunter-Lab	29.5642, 59.6700, -120.7439

Details

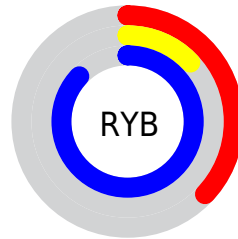
The XYZ color **18.4519, 8.7404, 70.5266** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed blue. A complement of this color would be **41.3442, 60.4558, 10.8562**, and the grayscale version is **6.0927, 6.4099, 6.9804**.

A 20% lighter version of the original color is **35.6403, 21.4685, 96.8731**, and **6.8829, 2.7532, 36.2450** is the 20% darker color. If you saturate the color by 10%, you get **16.6446, 7.1982, 70.3244**, and if you desaturate by 10%, it is **20.9672, 11.2491, 70.8785**.

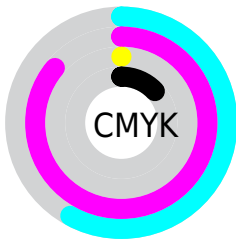
Distribution



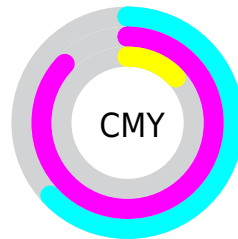
- Red (37%)
- Green (13%)
- Blue (87%)



- Red (37%)
- Yellow (13%)
- Blue (87%)



- Cyan (58%)
- Magenta (86%)
- Yellow (0%)
- Black (13%)



- Cyan (63%)
- Magenta (87%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4519, 8.7404, 70.5266 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 18.4519, 8.7404, 70.5266 by changing the saturation by 10% instead.

■ 18.4519, 8.7404,
70.5266

■ 18.4519, 8.7404,
70.5266

236.4026,
181.4293, 481.2358

■ 11.3766, 4.5722,
51.4765

■ 40.3299, 23.3976,
121.6476

■ 6.3899, 1.9985,
36.2086

■ 55.8633, 34.6555,
154.5555

■ 3.1265, 0.6066,
24.3044

■ 74.9468, 49.0454,
192.9198

■ 1.2210, 0.0000,
15.3453

■ 97.9457, 66.9518,
237.1591

■ 0.1228, 0.0000,
8.9128

■ 125.2254, 88.7589,
287.6917

■ 0.0000, 0.0000,
4.5883

■ 157.1512,

■ 0.0000, 0.0000,

114.8513, 344.9364

1.9533

194.0885,
145.6133, 409.3116

■ 0.0000, 0.0000,
0.5263

■ 0.0000, 0.0000,
0.0000

■ 18.4519, 8.7404,
70.5266

■ 18.4519, 8.7404,
70.5266

■ 16.6446, 7.1982,
70.3244

■ 20.9672, 11.2491,
70.8785

■ 16.0217, 6.7208,
70.2651

■ 24.2756, 14.8736,
71.4038

■ 28.4501, 19.7368,
72.1224

■ 33.5541, 25.9444,
73.0516

■ 39.6446, 33.5909,
74.2065

■ 46.7738, 42.7618,
75.6009

■ 54.9899, 53.5359,
77.2475

■ 64.3380, 65.9863,
79.1580

■ 74.8606, 80.1819,
81.3434

Harmonies

Analogous

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



10.2911, 8.7404, 101.7965



18.4519, 8.7404, 70.5266



25.5281, 8.7404, 28.5051

Triad

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



18.4519, 8.7404, 70.5266



13.5316, 8.7404, 0.0000



1.1591, 8.7404, 15.8345

Complementary

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



18.4519, 8.7404, 70.5266



41.3442, 60.4558, 10.8562

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.



1.3534, 8.7404, 1.6580



18.4519, 8.7404, 70.5266



6.5967, 8.7404, 0.0000

Square

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



18.4519, 8.7404, 70.5266



21.8258, 8.7404, 0.0000



2.7920, 8.7404, 0.0000



1.9813, 8.7404, 52.0472

Rectangle

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



18.4519, 8.7404, 70.5266



27.3078, 8.7404, 10.3028



2.7920, 8.7404, 0.0000



1.1224, 8.7404, 8.7718

Sweetspot

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



18.4525, 8.7406, 70.5269



62.8255, 57.2209, 102.3412



26.9262, 31.6574, 74.5037



12.6964, 11.2763, 21.7573



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.



18.4525, 8.7406, 70.5269



21.5986, 9.0494, 95.2161



34.5705, 17.0497, 71.2812



13.3690, 13.4582, 17.2808



9.5259, 4.0061, 41.3195



0.7519, 0.3249, 2.8683

Inverse Universe

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



37.3800, 19.2937, 35.4671



48.7068, 24.2467, 41.2497



28.9641, 54.0736, 10.2769



14.0958, 13.8560, 16.2749



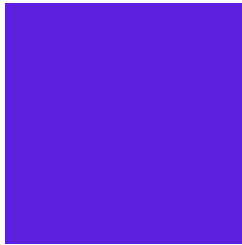
21.2126, 10.5520, 18.3169



1.5109, 0.7476, 1.4831

Previews

White Background



This preview shows how the XYZ color 18.4519, 8.7404, 70.5266 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 ✓ Pass

Black Background



This preview shows how the XYZ color 18.4519, 8.7404, 70.5266 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

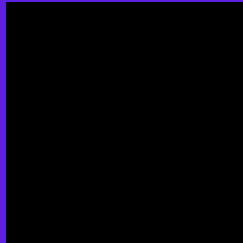
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.4519, 8.7404, 70.5266

Background



This preview shows how black text looks on a background with the XYZ color 18.4519, 8.7404, 70.5266.



This preview shows how white text looks on a background with the XYZ color 18.4519, 8.7404,

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

18.4519, 8.7404, 70.5266

Protanopia

10.1039, 8.7494, 38.6924

Deuteranopia

8.4386, 8.6999, 28.0226



Tritanopia

6.8570, 8.7078, 12.8746

Trichromacy



Original Color

18.4519, 8.7404, 70.5266

Protanomaly

11.6225, 7.5692, 48.9925

Deuteranomaly

10.1507, 7.2536, 40.4003

Tritanomaly

9.0727, 7.2635, 26.9104

Monochromacy



Original Color

18.4519, 8.7404, 70.5266

Achromatopsia

6.1596, 6.4803, 7.0571

Achromatomaly

8.6022, 6.1640, 20.8151

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4519, 8.7404, 70.5266 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, 32, 223)` looks like.

```
.text, #text, p{  
    color:rgb(94, 32, 223)  
}
```

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, 32, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 32, 223) }
```

Border

The CSS property to change the border of an element to XYZ 18.4519, 8.7404, 70.5266 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, 32, 223) }
```


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

```
.border{ border-color:rgb(94, 32, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 32, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 32, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 32, 223);  
box-shadow:4px 4px 4px 4px rgb(94, 32,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4519, 8.7404, 70.5266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 32, 223) }
```

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

```
.background{ background-color: rgb(94, 32,  
223) }
```

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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