

Converting Colors

XYZ(18.7968, 8.0482, 75.0581)

Have a look what the booklet for
XYZ(18.7968, 8.0482, 75.0581)
contains.

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Color

**XYZ(18.8990, 8.0929,
75.4289)**

Conversions

Conversions Part 1

Format	Color
Hex	5E00E6
RGB	94, 0, 230
RGB Percent	37%, 0%, 90%
CMY	0.6313, 1.0000, 0.0980
CMYK	0.59, 1.00, 0.00, 0.10
HSL	265°, 100%, 45%
HSV	265°, 100%, 90%
XYZ	18.8990, 8.0929, 75.4289
YIQ	54.3260, -17.8060, 91.4580

Conversions

Conversions Part 2

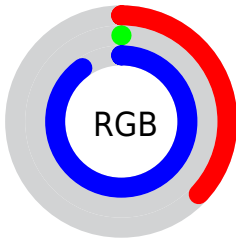
Format	Color
RYB	94, 0, 230
Decimal	6160614
CIELab	34.18, 75.56, -90.46
CIElCh	34, 117.863, 309.873
Yxy	8.0929, 0.1845, 0.0790
Android (android.graphics.Color)	4284350694 (0xFF5E00E6)
YUV	54.3260, 86.6073, 34.7941
Hunter-Lab	28.4480, 68.7996, -137.2917

Details

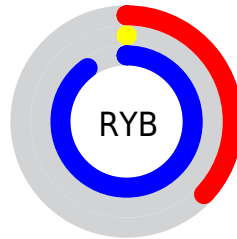
The XYZ color **18.8990, 8.0929, 75.4289** is a dark color, and the websafe version is hex **6633FF**. The color can be described as dark washed blue. A complement of this color would be **38.4493, 61.8276, 9.9074**, and the grayscale version is **3.4450, 3.6245, 3.9470**.

A 20% lighter version of the original color is **35.0633, 19.7257, 96.5672**, and **7.5428, 3.0171, 39.7200** is the 20% darker color. If you saturate the color by 10%, you get **18.8997, 8.0932, 75.4292**, and if you desaturate by 10%, it is **20.7259, 9.4895, 75.6024**.

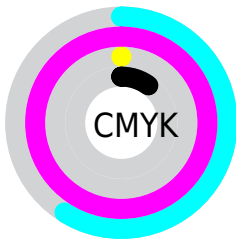
Distribution



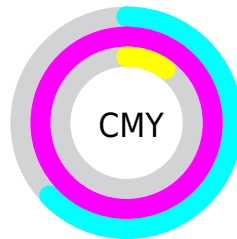
- Red (37%)
- Green (0%)
- Blue (90%)



- Red (37%)
- Yellow (0%)
- Blue (90%)



- Cyan (59%)
- Magenta (100%)
- Yellow (0%)
- Black (10%)



- Cyan (63%)
- Magenta (100%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8990, 8.0929, 75.4289 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 18.8990, 8.0929, 75.4289 by changing the saturation by 10% instead.

18.8990, 8.0929,
75.4289

18.8990, 8.0929,
75.4289

238.8394,
176.4589, 498.6852

11.7009, 4.1545,
55.4605

41.0816, 22.1404,
128.6720

6.6111, 1.7603,
39.3694

56.7967, 33.0182,
162.7837

3.2642, 0.4623,
26.7372

76.0816, 46.9779,
202.4470

1.2950, 0.0000,
17.1453

99.3016, 64.4039,
248.0803

0.1795, 0.0000,
10.1751

126.8220, 85.6806,
300.1023


0.0000, 0.0000,
5.4081


159.0082,

0.0000, 0.0000,


111.1924, 358.9314


2.4257


 196.2256,
141.3237, 424.9862

 0.0000, 0.0000,
0.8004


 0.0000, 0.0000,
0.0000

 18.8990, 8.0929,
75.4289


 18.8990, 8.0929,
75.4289

 18.8997, 8.0932,
75.4292

 20.7259, 9.4895,
75.6024

 23.1739, 11.7470,
75.9092

 26.3714, 15.1042,
76.3886

 30.3961, 19.7012,
77.0638

■ 35.3147, 25.6564,
77.9541

■ 41.1863, 33.0741,
79.0764

■ 48.0643, 42.0477,
80.4459

■ 55.9981, 52.6630,
82.0767

■ 65.0334, 64.9991,
83.9816

Harmonies

Analogous

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



10.0561, 8.0929, 113.2304



18.8990, 8.0929, 75.4289



26.5724, 8.0929, 27.9232

Triad

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



18.8990, 8.0929, 75.4289



12.8817, 8.0929, 0.0000



0.7614, 8.0929, 16.5422

Complementary

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



18.8990, 8.0929, 75.4289



38.4493, 61.8276, 9.9074

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.



0.8956, 8.0929, 1.3207



18.8990, 8.0929, 75.4289



5.7310, 8.0929, 0.0000

Square

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



18.8990, 8.0929, 75.4289



21.9431, 8.0929, 0.0000



2.1185, 8.0929, 0.0000



1.5145, 8.0929, 57.9400

Rectangle

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



18.8990, 8.0929, 75.4289



28.3662, 8.0929, 8.8919



2.1185, 8.0929, 0.0000



0.7188, 8.0929, 8.7322

Sweetspot

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



18.8997, 8.0932, 75.4292



60.5822, 52.9276, 101.6308



23.3715, 23.8902, 78.2426



12.1461, 10.2497, 21.5882



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.



18.8997, 8.0932, 75.4292



23.7850, 10.1765, 95.3184



40.0152, 18.9786, 76.4174



14.1379, 14.1733, 18.1349



10.8306, 4.6493, 42.7097



0.9035, 0.3968, 3.1609

Inverse Universe

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



37.0767, 18.6005, 24.9264



46.8077, 23.4871, 31.2491



28.6503, 56.7760, 9.4488



14.7328, 14.5103, 16.7932



21.0528, 10.5554, 14.4392



1.6016, 0.7983, 1.3084

Previews

White Background



This preview shows how the XYZ color 18.8990, 8.0929, 75.4289 looks on a white background.

Color Contrast Check

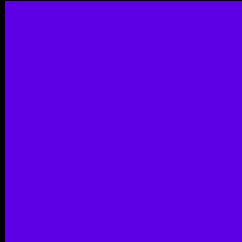
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.8990, 8.0929, 75.4289 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

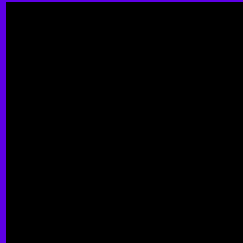
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.8990, 8.0929, 75.4289

Background



This preview shows how black text looks on a background with the XYZ color 18.8990, 8.0929, 75.4289.



This preview shows how white text looks on a background with the XYZ color 18.8990, 8.0929,

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

18.8990, 8.0929, 75.4289

Protanopia

9.6789, 8.3451, 37.1770

Deuteranopia

7.9780, 8.2637, 26.3739



Tritanopia

6.3897, 8.3479, 12.5838

Trichromacy



Original Color

18.8990, 8.0929, 75.4289

Protanomaly

10.9856, 6.2954, 48.7802

Deuteranomaly

9.4756, 5.9034, 40.1752

Tritanomaly

8.2048, 5.8113, 27.4773

Monochromacy



Original Color

18.8990, 8.0929, 75.4289

Achromatopsia

3.5063, 3.6889, 4.0173

Achromatomaly

6.2963, 3.7173, 17.5252

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8990, 8.0929, 75.4289 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, 0, 230)` looks like.

```
.text, #text, p{  
    color:rgb(94, 0, 230)  
}
```

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, 0, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 0, 230) }
```

Border

The CSS property to change the border of an element to XYZ 18.8990, 8.0929, 75.4289 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, 0, 230) }
```


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

```
.border{ border-color:rgb(94, 0, 230) }
```

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

Here you see how a box with a 4 pixel rgb(94, 0, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 0, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 0, 230);  
box-shadow:4px 4px 4px 4px rgb(94, 0, 230)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.8990, 8.0929, 75.4289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 0, 230) }
```

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

```
.background{ background-color: rgb(94, 0,  
230) }
```

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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