

Converting Colors

XYZ(19.1961, 8.3474, 84.9623)

Have a look what the booklet for
XYZ(19.1961, 8.3474, 84.9623)
contains.

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Color

**XYZ(19.1450, 8.3393,
84.6050)**

Conversions

Conversions Part 1

Format	Color
Hex	4B12F2
RGB	75, 18, 242
RGB Percent	29%, 7%, 95%
CMY	0.7058, 0.9295, 0.0510
CMYK	0.69, 0.93, 0.00, 0.05
HSL	255°, 90%, 51%
HSV	255°, 93%, 95%
XYZ	19.1450, 8.3393, 84.6050
YIQ	60.5790, -37.9320, 81.7480

Conversions

Conversions Part 2

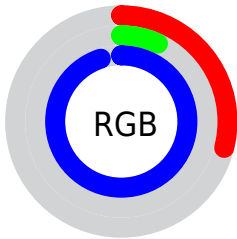
Format	Color
R _Y B	75, 18, 242
Decimal	4920050
CIE Lab	34.68, 74.65, -96.49
CIE LCh	35, 121.995, 307.727
Yxy	8.3393, 0.1708, 0.0744
Android (android.graphics.Color)	4283110130 (0xFF4B12F2)
YUV	60.5790, 89.4406, 12.6472
Hunter-Lab	28.8778, 67.8030, -153.4907

Details

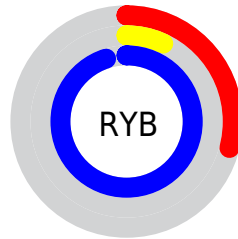
The XYZ color **19.1450, 8.3393, 84.6050** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark washed blue. A complement of this color would be **51.8637, 73.8597, 12.0946**, and the grayscale version is **4.2584, 4.4801, 4.8789**.

A 20% lighter version of the original color is **32.9513, 19.1604, 96.5693**, and **8.6517, 3.4607, 45.5594** is the 20% darker color. If you saturate the color by 10%, you get **17.9888, 7.4221, 84.4892**, and if you desaturate by 10%, it is **21.3811, 10.4100, 84.8871**.

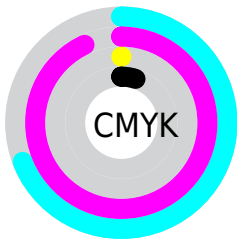
Distribution



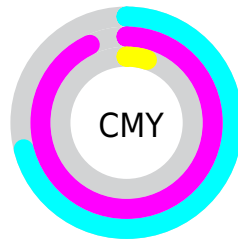
- Red (29%)
- Green (7%)
- Blue (95%)



- Red (29%)
- Yellow (7%)
- Blue (95%)



- Cyan (69%)
- Magenta (93%)
- Yellow (0%)
- Black (5%)





- Cyan (71%)
- Magenta (93%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.1450, 8.3393, 84.6050 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 19.1450, 8.3393, 84.6050 by changing the saturation by 10% instead.


 19.1450, 8.3393,
84.6050


 19.1450, 8.3393,
84.6050


240.1708,
178.3696, 530.4306


 11.8797, 4.3128,
62.9668


 41.4940, 22.6210,
141.6904

 6.7334, 1.8500,
45.3735


 57.3083, 33.6449,
177.9747

 3.3408, 0.5181,
31.4066


 76.7031, 47.7702,
219.9781

 1.3364, 0.0000,
20.6476

 100.0437, 65.3811,
268.1192

 0.2102, 0.0000,
12.6780

 127.6954, 86.8622,
322.8164

 0.0000, 0.0000,
7.0790


 160.0236,


 0.0000, 0.0000,


112.5976, 384.4883


3.4324


 197.3936,
142.9720, 453.5536


 0.0000, 0.0000,
1.3194


 0.0000, 0.0000,
0.0776


 19.1450, 8.3393,
84.6050


 19.1450, 8.3393,
84.6050

 17.9888, 7.4221,
84.4892

 21.3811, 10.4100,
84.8871

 24.5650, 13.7383,
85.3617

 28.8062, 18.5003,
86.0574

 34.1970, 24.8430,
86.9975

40.8190, 32.8948,
88.2027

48.7459, 42.7704,
89.6910

58.0456, 54.5746,
91.4793

68.7809, 68.4040,
93.5829

81.0107, 84.3487,
96.0159

Harmonies

Analogous

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



9.8491, 8.3393, 122.9489



19.1450, 8.3393, 84.6050



27.6597, 8.3393, 32.4685

Triad

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



19.1450, 8.3393, 84.6050



14.1001, 8.3393, 0.0000



0.6980, 8.3393, 15.2133

Complementary

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



19.1450, 8.3393, 84.6050



51.8637, 73.8597, 12.0946

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.



0.8943, 8.3393, 0.9476



19.1450, 8.3393, 84.6050



6.2715, 8.3393, 0.0000

Square

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



19.1450, 8.3393, 84.6050



23.7520, 8.3393, 0.0000



2.2610, 8.3393, 0.0000



1.3793, 8.3393, 57.8939

Rectangle

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



19.1450, 8.3393, 84.6050



29.9771, 8.3393, 10.6737



2.2610, 8.3393, 0.0000



0.6733, 8.3393, 7.6536

Sweetspot

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



19.1457, 8.3394, 84.6053



59.4037, 53.8602, 101.8729



33.8347, 41.6561, 90.2619



11.7839, 10.3521, 21.6270



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.



19.1457, 8.3394, 84.6053



20.2240, 8.3408, 95.1517



36.4923, 17.2819, 85.4171



15.2744, 15.4231, 19.8935



9.7700, 4.0420, 45.3931



0.9017, 0.3821, 3.7804

Inverse Universe

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



45.5889, 22.8114, 47.8872



50.5441, 24.9816, 50.9247



34.6847, 65.0037, 11.2907



16.2724, 15.9587, 18.9905



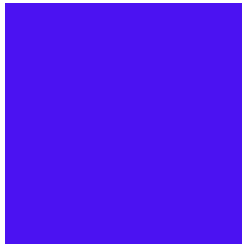
24.1771, 11.9433, 24.6471



2.0512, 1.0095, 2.2604

Previews

White Background



This preview shows how the XYZ color 19.1450, 8.3393, 84.6050 looks on a white background.

Color Contrast Check

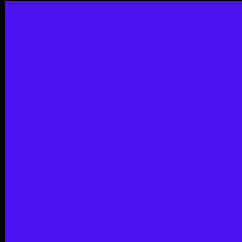
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.1450, 8.3393, 84.6050 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 19.1450, 8.3393, 84.6050

Background



This preview shows how black text looks on a background with the XYZ color 19.1450, 8.3393, 84.6050.



This preview shows how white text looks on a background with the XYZ color 19.1450, 8.3393,

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

19.1450, 8.3393, 84.6050

Protanopia

9.5875, 8.3086, 36.6957

Deuteranopia

7.9039, 8.2341, 25.9837



Tritanopia

5.8524, 8.3267, 12.3651

Trichromacy



Original Color

19.1450, 8.3393, 84.6050

Protanomaly

11.5408, 7.0095, 51.1968

Deuteranomaly

10.0037, 6.6391, 42.3492

Tritanomaly

7.7102, 6.0697, 29.1990

Monochromacy



Original Color

19.1450, 8.3393, 84.6050

Achromatopsia

4.4355, 4.6665, 5.0818

Achromatomaly

7.0159, 4.5673, 20.5905

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.1450, 8.3393, 84.6050 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(75, 18, 242)` looks like.

```
.text, #text, p{  
    color:rgb(75, 18, 242)  
}
```

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(75, 18, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 18, 242) }
```

Border

The CSS property to change the border of an element to XYZ 19.1450, 8.3393, 84.6050 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(75, 18, 242) }
```


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

```
.border{ border-color:rgb(75, 18, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 18, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 18, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 18, 242);  
box-shadow:4px 4px 4px 4px rgb(75, 18,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 19.1450, 8.3393, 84.6050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 18, 242) }
```

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

```
.background{ background-color: rgb(75, 18,  
242) }
```

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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