

Converting Colors

XYZ(19.4627, 8.1776, 84.7540)

Have a look what the booklet for
XYZ(19.4627, 8.1776, 84.7540)
contains.

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Color

**XYZ(19.4204, 8.1601,
84.5559)**

Conversions

Conversions Part 1

Format	Color
Hex	5100F2
RGB	81, 0, 242
RGB Percent	32%, 0%, 95%
CMY	0.6823, 1.0000, 0.0510
CMYK	0.67, 1.00, 0.00, 0.05
HSL	260°, 100%, 47%
HSV	260°, 100%, 95%
XYZ	19.4204, 8.1601, 84.5559
YIQ	51.8070, -29.4060, 92.4340

Conversions

Conversions Part 2

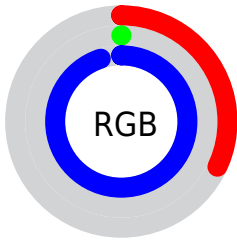
Format	Color
R_{YB}	81, 0, 242
Decimal	5308658
CIE _{Lab}	34.31, 77.62, -97.09
CIE _{LCh}	34, 124.301, 308.644
Yxy	8.1601, 0.1732, 0.0728
Android (android.graphics.Color)	4283498738 (0xFF5100F2)
YUV	51.8070, 93.7651, 25.6023
Hunter-Lab	28.5659, 71.3622, -155.5041

Details

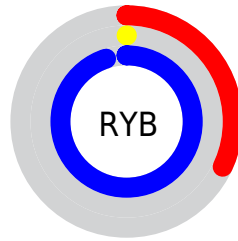
The XYZ color **19.4204, 8.1601, 84.5559** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark saturated blue. A complement of this color would be **46.4481, 71.0805, 11.2718**, and the grayscale version is **3.1377, 3.3011, 3.5949**.

A 20% lighter version of the original color is **33.3286, 18.8315, 96.4860**, and **8.6517, 3.4607, 45.5594** is the 20% darker color. If you saturate the color by 10%, you get **19.4213, 8.1606, 84.5563**, and if you desaturate by 10%, it is **21.2993, 9.6198, 84.7389**.

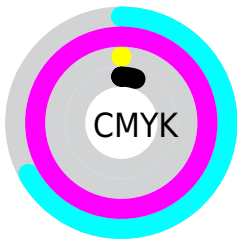
Distribution



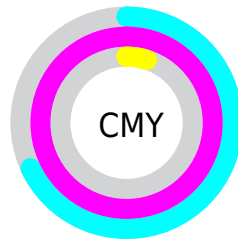
- Red (32%)
- Green (0%)
- Blue (95%)



- Red (32%)
- Yellow (0%)
- Blue (95%)



- Cyan (67%)
- Magenta (100%)
- Yellow (0%)
- Black (5%)



- Cyan (68%)
- Magenta (100%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.4204, 8.1601, 84.5559 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 19.4204, 8.1601, 84.5559 by changing the saturation by 10% instead.

■ 19.4204, 8.1601,
84.5559

■ 19.4204, 8.1601,
84.5559

241.6537,
176.9824, 530.2636

■ 12.0802, 4.1976,
62.9265

■ 41.9547, 22.2717,
141.6212

■ 6.8709, 1.7847,
45.3411

■ 57.8795, 33.1896,
177.8941

■ 3.4271, 0.4776,
31.3813

■ 77.3966, 47.1947,
219.8853

■ 1.3835, 0.0000,
20.6285

■ 100.8714, 64.6714,
268.0132

■ 0.2444, 0.0000,
12.6641

■ 128.6691, 86.0041,
322.6965

■ 0.0000, 0.0000,
7.0697


■ 161.1551,


■ 0.0000, 0.0000,


111.5773, 384.3536


3.4266


 198.6949,
141.7752, 453.4031


 0.0000, 0.0000,
1.3164


 0.0000, 0.0000,
0.0751

 19.4204, 8.1601,
84.5559


 19.4204, 8.1601,
84.5559

 19.4213, 8.1606,
84.5563

 21.2993, 9.6198,
84.7389

 23.9374, 12.0822,
85.0752

 27.4835, 15.8148,
85.6087

 32.0321, 20.9801,
86.3660

■ 37.6645, 27.7153,
87.3692

■ 44.4526, 36.1411,
88.6377

■ 52.4617, 46.3661,
90.1892

■ 61.7521, 58.4894,
92.0396

■ 72.3799, 72.6030,
94.2037

Harmonies

Analogous

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



9.9378, 8.1601, 125.3950



19.4204, 8.1601, 84.5559



27.9860, 8.1601, 31.3142

Triad

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



19.4204, 8.1601, 84.5559



13.6967, 8.1601, 0.0000



0.6107, 8.1601, 15.9498

Complementary

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



19.4204, 8.1601, 84.5559



46.4481, 71.0805, 11.2718

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.



0.7846, 8.1601, 0.9715



19.4204, 8.1601, 84.5559



5.9194, 8.1601, 0.0000

Square

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



19.4204, 8.1601, 84.5559



23.5307, 8.1601, 0.0000



2.0530, 8.1601, 0.0000



1.3069, 8.1601, 60.4434

Rectangle

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



19.4204, 8.1601, 84.5559



30.1868, 8.1601, 9.8201



2.0530, 8.1601, 0.0000



0.5771, 8.1601, 8.0112

Sweetspot

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



19.4213, 8.1606, 84.5563



59.0017, 52.1129, 101.5568



28.8303, 32.0173, 88.6652



11.7767, 10.0593, 21.5709



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.



19.4213, 8.1606, 84.5563



21.8293, 9.1683, 95.2269



40.2942, 18.9210, 85.5331



15.3959, 15.4858, 19.8992



10.5628, 4.4507, 45.4302



0.9805, 0.4227, 3.7841

Inverse Universe

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



43.0502, 21.4502, 35.5848



48.4615, 24.1486, 39.9577



32.6403, 63.9623, 10.6256



16.2162, 15.9362, 18.6949



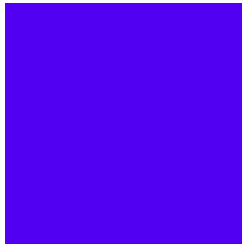
23.1930, 11.5496, 19.4645



1.9755, 0.9792, 1.8616

Previews

White Background



This preview shows how the XYZ color 19.4204, 8.1601, 84.5559 looks on a white background.

Color Contrast Check

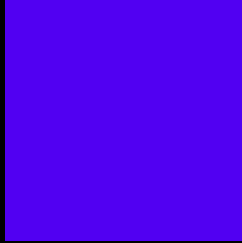
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.4204, 8.1601, 84.5559 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

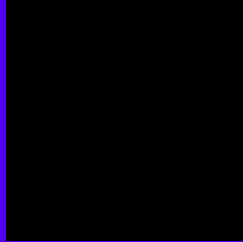
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.4204, 8.1601, 84.5559

Background



This preview shows how black text looks on a background with the XYZ color 19.4204, 8.1601, 84.5559.



This preview shows how white text looks on a background with the XYZ color 19.4204, 8.1601,

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

19.4204, 8.1601, 84.5559

Protanopia

9.6789, 8.3451, 37.1770

Deuteranopia

7.9780, 8.2637, 26.3739



Tritanopia

5.8988, 8.3452, 12.6092

Trichromacy



Original Color

19.4204, 8.1601, 84.5559

Protanomaly

11.3849, 6.4375, 51.6814

Deuteranomaly

9.8157, 6.0218, 42.7645

Tritanomaly

7.5248, 5.4893, 29.5171

Monochromacy



Original Color

19.4204, 8.1601, 84.5559

Achromatopsia

3.2640, 3.4340, 3.7396

Achromatomaly

6.0449, 3.5250, 18.4509

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4204, 8.1601, 84.5559 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(81, 0, 242)` looks like.

```
.text, #text, p{  
    color:rgb(81, 0, 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(81, 0, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 0, 242) }
```

Border

The CSS property to change the border of an element to XYZ 19.4204, 8.1601, 84.5559 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(81, 0, 242) }
```


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

```
.border{ border-color:rgb(81, 0, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 0, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 0, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 0, 242);  
box-shadow:4px 4px 4px 4px rgb(81, 0, 242)  
}
```

Background

The CSS property to change the background color of an element to XYZ 19.4204, 8.1601, 84.5559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 0, 242) }
```

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

```
.background{ background-color: rgb(81, 0,  
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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