

Converting Colors

XYZ(20.8809, 9.4093, 87.1013)

Have a look what the booklet for
XYZ(20.8809, 9.4093, 87.1013)
contains.

XYZ(20.8753, 9.4061, 87.1015)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(20.8753, 9.4061,
87.1015)**

Conversions

Conversions Part 1

Format	Color
Hex	581AF5
RGB	88, 26, 245
RGB Percent	35%, 10%, 96%
CMY	0.6549, 0.8981, 0.0392
CMYK	0.64, 0.89, 0.00, 0.04
HSL	257°, 92%, 53%
HSV	257°, 89%, 96%
XYZ	20.8753, 9.4061, 87.1015
YIQ	69.5040, -33.3470, 81.2530

Conversions

Conversions Part 2

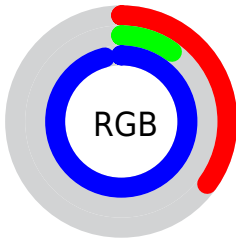
Format	Color
R _{YB}	88, 26, 245
Decimal	5774069
CIE Lab	36.75, 74.28, -94.70
CIE LCh	37, 120.360, 308.109
Yxy	9.4061, 0.1778, 0.0801
Android (android.graphics.Color)	4283964149 (0xFF581AF5)
YUV	69.5040, 86.5195, 16.2210
Hunter-Lab	30.6694, 67.8258, -146.9160

Details

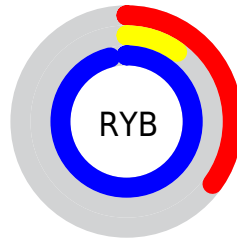
The XYZ color **20.8753, 9.4061, 87.1015** is a dark color, and the websafe version is hex **6633FF**. The color can be described as dark washed blue. A complement of this color would be **52.3640, 75.4452, 12.7794**, and the grayscale version is **5.6058, 5.8977, 6.4226**.

A 20% lighter version of the original color is **35.0881, 20.9435, 96.8009**, and **8.9696, 3.5879, 47.2335** is the 20% darker color. If you saturate the color by 10%, you get **19.0558, 7.9438, 86.9155**, and if you desaturate by 10%, it is **23.5363, 11.9542, 87.4534**.

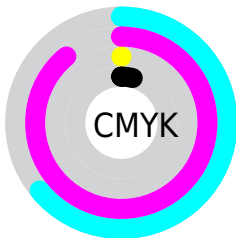
Distribution



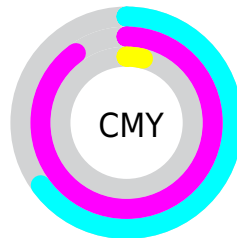
- Red (35%)
- Green (10%)
- Blue (96%)



- Red (35%)
- Yellow (10%)
- Blue (96%)



- Cyan (64%)
- Magenta (89%)
- Yellow (0%)
- Black (4%)



- Cyan (65%)
- Magenta (90%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8753, 9.4061, 87.1015 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 20.8753, 9.4061, 87.1015 by changing the saturation by 10% instead.


 20.8753, 9.4061,
87.1015


 20.8753, 9.4061,
87.1015

249.3593,
186.3791, 538.8812


 13.1448, 5.0070,
65.0191


 44.3727, 24.6723,
145.2057


 7.6060, 2.2514,
47.0251


 60.8704, 36.3081,
182.0646

 3.8936, 0.7478,
32.7010


 81.0212, 51.1251,
224.6861

 1.6421, 0.0000,
21.6283

 105.1905, 69.5074,
273.4887

 0.4196, 0.0000,
13.3883

 133.7436, 91.8396,
328.8910

 0.0000, 0.0000,
7.5626

 167.0458,

 0.0000, 0.0000,

118.5060, 391.3115

3.7326

205.4626,
149.8911, 461.1687

■ 0.0000, 0.0000,
1.4799

■ 0.0000, 0.0000,
0.2029

■ 20.8753, 9.4061,
87.1015

■ 20.8753, 9.4061,
87.1015

■ 19.0558, 7.9438,
86.9155

■ 23.5363, 11.9542,
87.4534

■ 18.9624, 7.8716,
86.9064

■ 27.1846, 15.8447,
88.0121

■ 31.9231, 21.2462,
88.8049

■ 37.8398, 28.3017,
89.8549

■ 45.0131, 37.1370,
91.1822

■ 53.5141, 47.8654,
92.8050

■ 63.4086, 60.5908,
94.7397

■ 74.7577, 75.4093,
97.0018

■ 87.6188, 92.4108,
99.6056

Harmonies

Analogous

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



11.0959, 9.4061, 126.2486



20.8753, 9.4061, 87.1015



29.6418, 9.4061, 34.1094

Triad

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



20.8753, 9.4061, 87.1015



15.3465, 9.4061, 0.0000



0.9641, 9.4061, 17.1136

Complementary

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



20.8753, 9.4061, 87.1015



52.3640, 75.4452, 12.7794

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.



1.1780, 9.4061, 1.3318



20.8753, 9.4061, 87.1015



7.0835, 9.4061, 0.0000

Square

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



20.8753, 9.4061, 87.1015



25.4085, 9.4061, 0.0000



2.7292, 9.4061, 0.0000



1.7763, 9.4061, 61.4036

Rectangle

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



20.8753, 9.4061, 87.1015



31.9585, 9.4061, 11.6428



2.7292, 9.4061, 0.0000



0.9340, 9.4061, 8.9577

Sweetspot

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



20.8760, 9.4062, 87.1018



60.9959, 55.4722, 102.1001



34.5926, 42.1827, 92.7054



12.3117, 10.9241, 21.7096



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.



20.8760, 9.4062, 87.1018



20.7379, 8.6057, 95.1758



39.0729, 18.7871, 87.9534



16.0218, 16.1539, 20.8161



10.3319, 4.3006, 46.8236



1.0046, 0.4277, 4.1198

Inverse Universe

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



46.5714, 23.5694, 46.8868



49.7658, 24.6703, 46.8260



35.9072, 66.9614, 12.0093



17.0018, 16.6836, 19.7562



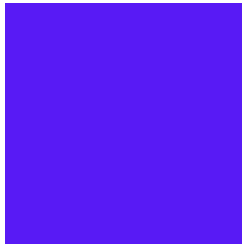
24.5502, 12.1635, 23.4036



2.2016, 1.0866, 2.2882

Previews

White Background



This preview shows how the XYZ color 20.8753, 9.4061, 87.1015 looks on a white background.

Color Contrast Check

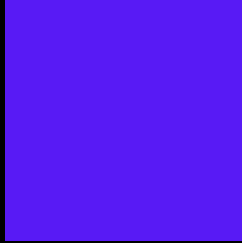
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.8753, 9.4061, 87.1015 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

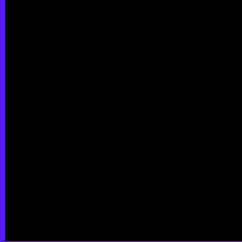
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.8753, 9.4061, 87.1015

Background



This preview shows how black text looks on a background with the XYZ color 20.8753, 9.4061, 87.1015.



This preview shows how white text looks on a background with the XYZ color 20.8753, 9.4061,

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

20.8753, 9.4061, 87.1015

Protanopia

10.8311, 9.2817, 41.7781

Deuteranopia

8.9972, 9.3147, 29.7575



Tritanopia

6.6311, 9.3450, 14.2862

Trichromacy



Original Color

20.8753, 9.4061, 87.1015

Protanomaly

12.7436, 7.9225, 55.5011

Deuteranomaly

11.1956, 7.6642, 46.2367

Tritanomaly

8.7653, 7.1801, 31.9343

Monochromacy



Original Color

20.8753, 9.4061, 87.1015

Achromatopsia

5.8214, 6.1246, 6.6697

Achromatomaly

8.6828, 5.9373, 23.2426

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8753, 9.4061, 87.1015 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(88, 26, 245)` looks like.

```
.text, #text, p{  
  color:rgb(88, 26, 245)  
}
```

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(88, 26, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 26, 245) }
```

Border

The CSS property to change the border of an element to XYZ 20.8753, 9.4061, 87.1015 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(88, 26, 245) }
```


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

```
.border{ border-color:rgb(88, 26, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 26, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 26, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 26, 245);  
box-shadow:4px 4px 4px 4px rgb(88, 26,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8753, 9.4061, 87.1015 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 26, 245) }
```

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

```
.background{ background-color: rgb(88, 26,  
245) }
```

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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