

Converting Colors

XYZ(20.0904, 8.6859, 95.2254)

Have a look what the booklet for
XYZ(20.0904, 8.6859, 95.2254)
contains.

XYZ(20.0818, 8.6934, 95.2273)	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(20.0818, 8.6934,
95.2273)**

Conversions

Conversions Part 1

Format	Color
Hex	3A16FF
RGB	58, 22, 255
RGB Percent	23%, 9%, 100%
CMY	0.7725, 0.9138, 0.0000
CMYK	0.77, 0.91, 0.00, 0.00
HSL	249°, 100%, 54%
HSV	249°, 91%, 100%
XYZ	20.0818, 8.6934, 95.2273
YIQ	59.3260, -53.3370, 80.0950

Conversions

Conversions Part 2

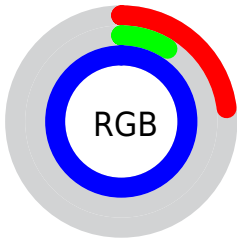
Format	Color
R_{YB}	58, 22, 255
Decimal	3806975
CIE _{Lab}	35.39, 76.30, -102.66
CIE _{LCh}	35, 127.915, 306.621
Yxy	8.6934, 0.1619, 0.0701
Android (android.graphics.Color)	4281997055 (0xFF3A16FF)
YUV	59.3260, 96.4673, -1.1629
Hunter-Lab	29.4846, 69.9775, -170.8517

Details

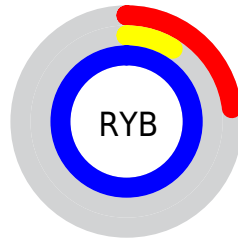
The XYZ color **20.0818, 8.6934, 95.2273** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark washed blue. A complement of this color would be **65.1105, 86.6340, 14.0489**, and the grayscale version is **4.0793, 4.2918, 4.6737**.

A 20% lighter version of the original color is **31.7148, 18.7436, 96.5541**, and **9.9638, 3.9855, 52.4687** is the 20% darker color. If you saturate the color by 10%, you get **18.9029, 7.6597, 95.0899**, and if you desaturate by 10%, it is **22.3585, 10.9793, 95.5485**.

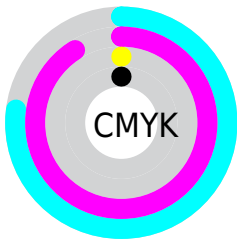
Distribution



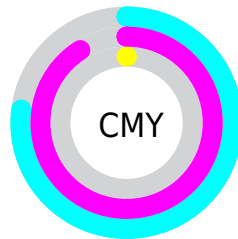
- Red (23%)
- Green (9%)
- Blue (100%)



- Red (23%)
- Yellow (9%)
- Blue (100%)



- Cyan (77%)
- Magenta (91%)
- Yellow (0%)
- Black (0%)



- Cyan (77%)
- Magenta (91%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0818, 8.6934, 95.2273 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 20.0818, 8.6934, 95.2273 by changing the saturation by 10% instead.

■ 20.0818, 8.6934,
95.2273

■ 20.0818, 8.6934,
95.2273

245.1827,
181.0739, 565.8953

■ 12.5631, 4.5417,
71.7262

■ 43.0572, 23.3070,
156.5769

■ 7.2033, 1.9810,
52.4496

■ 59.2446, 34.5377,
195.2625

■ 3.6370, 0.5964,
36.9789

■ 79.0523, 48.8969,
239.8466

■ 1.4989, 0.0000,
24.8955

■ 102.8457, 66.7690,
290.7480

■ 0.3251, 0.0000,
15.7809

■ 130.9900, 88.5383,
348.3849

■ 0.0000, 0.0000,
9.2166

■ 163.8508,

■ 0.0000, 0.0000,

114.5893, 413.1761

4.7840

201.7932,
145.3064, 485.5401

0.0000, 0.0000,
2.0646

0.0000, 0.0000,
0.5946

20.0818, 8.6934,
95.2273

20.0818, 8.6934,
95.2273

18.9029, 7.6597,
95.0899

22.3585, 10.9793,
95.5485

25.8132, 14.7579,
96.0958

30.5874, 20.2352,
96.9014

36.8008, 27.5840,
97.9924

■ 44.5595, 36.9558,
99.3924

■ 53.9596, 48.4861,
101.1225

■ 65.0889, 62.2989,
103.2021

■ 78.0292, 78.5086,
105.6488

■ 92.8568, 97.2220,
108.4794

Harmonies

Analogous

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



10.0258, 8.6934, 136.5150



20.0818, 8.6934, 95.2273



29.5992, 8.6934, 36.8343

Triad

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



20.0818, 8.6934, 95.2273



15.3445, 8.6934, 0.0000



0.6217, 8.6934, 15.0234

Complementary

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



20.0818, 8.6934, 95.2273



65.1105, 86.6340, 14.0489

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.



0.8574, 8.6934, 0.7169



20.0818, 8.6934, 95.2273



6.7197, 8.6934, 0.0000

Square

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



20.0818, 8.6934, 95.2273



25.9006, 8.6934, 0.0000



2.3274, 8.6934, 0.0000



1.2759, 8.6934, 61.0309

Rectangle

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



20.0818, 8.6934, 95.2273



32.3750, 8.6934, 12.0935



2.3274, 8.6934, 0.0000



0.6063, 8.6934, 7.2490

Sweetspot

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



20.0825, 8.6934, 95.2273



58.6128, 54.2437, 101.9886



43.9866, 58.6023, 103.6008



11.7624, 10.6409, 21.6839



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.



20.0825, 8.6934, 95.2273



18.9029, 7.6597, 95.0899



35.6692, 16.7286, 95.9567



17.2644, 17.5125, 22.7203



9.9544, 4.0422, 49.6901



1.0417, 0.4309, 4.8415

Inverse Universe

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



54.3095, 26.9465, 69.3390



53.5797, 26.1959, 66.9102



41.5607, 74.4937, 12.9468



18.6649, 18.2493, 22.1183



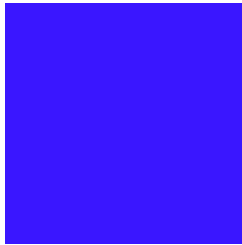
28.0421, 13.7061, 35.2015



2.7615, 1.3470, 3.5914

Previews

White Background



This preview shows how the XYZ color 20.0818, 8.6934, 95.2273 looks on a white background.

Color Contrast Check

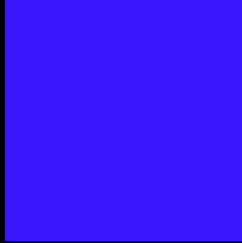
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.0818, 8.6934, 95.2273 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

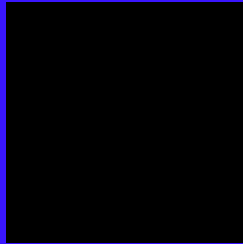
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.0818, 8.6934, 95.2273

Background



This preview shows how black text looks on a background with the XYZ color 20.0818, 8.6934, 95.2273.



This preview shows how white text looks on a background with the XYZ color 20.0818, 8.6934,

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

20.0818, 8.6934, 95.2273

Protanopia

9.8437, 8.5273, 37.6863

Deuteranopia

8.1310, 8.4500, 26.7936



Tritanopia

5.9848, 8.5174, 12.6378

Trichromacy



Original Color

20.0818, 8.6934, 95.2273

Protanomaly

12.1820, 7.4109, 54.8212

Deuteranomaly

10.5791, 7.0236, 45.5978

Tritanomaly

8.1491, 6.5068, 31.3983

Monochromacy



Original Color

20.0818, 8.6934, 95.2273

Achromatopsia

4.1570, 4.3735, 4.7627

Achromatomaly

6.8099, 4.4955, 21.6279

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0818, 8.6934, 95.2273 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(58, 22, 255)` looks like.

```
.text, #text, p{  
  color:rgb(58, 22, 255)  
}
```

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(58, 22, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 22, 255) }
```

Border

The CSS property to change the border of an element to XYZ 20.0818, 8.6934, 95.2273 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(58, 22, 255) }
```


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

```
.border{ border-color:rgb(58, 22, 255) }
```

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

Here you see how a box with a 4 pixel rgb(58, 22, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 22, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 22, 255);  
box-shadow:4px 4px 4px 4px rgb(58, 22,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0818, 8.6934, 95.2273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 22, 255) }
```

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

```
.background{ background-color: rgb(58, 22,  
255) }
```

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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