

Converting Colors

XYZ(18.7818, 8.6185, 95.2814)

Have a look what the booklet for
XYZ(18.7818, 8.6185, 95.2814)
contains.

XYZ(18.7932, 8.6320, 95.2834)	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(18.7932, 8.6320,
95.2834)**

Conversions

Conversions Part 1

Format	Color
Hex	0426FF
RGB	4, 38, 255
RGB Percent	2%, 15%, 100%
CMY	0.9840, 0.8510, 0.0000
CMYK	0.98, 0.85, 0.00, 0.00
HSL	232°, 100%, 51%
HSV	232°, 98%, 100%
XYZ	18.7932, 8.6320, 95.2834
YIQ	52.5720, -89.9210, 60.2790

Conversions

Conversions Part 2

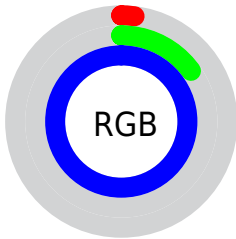
Format	Color
R _Y B	4, 34, 255
Decimal	272127
CIE Lab	35.27, 70.32, -102.91
CIE LCh	35, 124.639, 304.343
Yxy	8.6320, 0.1532, 0.0703
Android (android.graphics.Color)	4278462207 (0xFF0426FF)
YUV	52.5720, 99.7970, -42.5976
Hunter-Lab	29.3803, 62.7627, -171.7177

Details

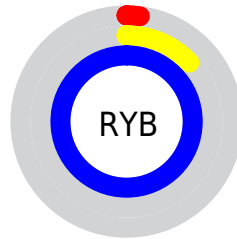
The XYZ color **18.7932, 8.6320, 95.2834** is a dark color, and the websafe version is hex **0033FF**. The color can be described as dark saturated blue. A complement of this color would be **67.1422, 73.0287, 10.6743**, and the grayscale version is **3.2272, 3.3952, 3.6974**.

A 20% lighter version of the original color is **29.5368, 18.6952, 96.6595**, and **9.9638, 3.9855, 52.4687** is the 20% darker color. If you saturate the color by 10%, you get **18.6353, 8.3907, 95.2451**, and if you desaturate by 10%, it is **20.1914, 10.7261, 95.6139**.

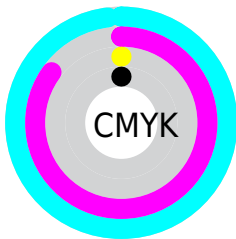
Distribution



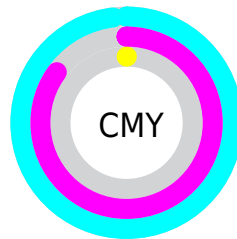
- Red (2%)
- Green (15%)
- Blue (100%)



- Red (2%)
- Yellow (13%)
- Blue (100%)



- Cyan (98%)
- Magenta (85%)
- Yellow (0%)
- Black (0%)



- Cyan (98%)
- Magenta (85%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.7932, 8.6320, 95.2834 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 18.7932, 8.6320, 95.2834 by changing the saturation by 10% instead.


 18.7932, 8.6320,
95.2834

 18.7932, 8.6320,
95.2834


238.2648,
180.6084, 566.0794


 11.6241, 4.5019,
71.7727


 40.9039, 23.1884,
156.6550


 6.5586, 1.9581,
52.4873


 56.5763, 34.3836,
195.3530


 3.2315, 0.5830,
37.0087


 75.8137, 48.7025,
239.9505

 1.2773, 0.0000,
24.9184

 98.9816, 66.5297,
290.8660

 0.1662, 0.0000,
15.7978

 126.4453, 88.2495,
348.5181

 0.0000, 0.0000,
9.2284

 158.5701,

 0.0000, 0.0000,

114.2463, 413.3254

4.7916

195.7215,
144.9044, 485.7063

■ 0.0000, 0.0000,
2.0689

■ 0.0000, 0.0000,
0.5972

■ 18.7932, 8.6320,
95.2834

■ 18.7932, 8.6320,
95.2834

■ 18.6353, 8.3907,
95.2451

■ 20.1914, 10.7261,
95.6139

■ 22.6546, 14.0839,
96.1322

■ 26.3731, 18.8821,
96.8623

■ 31.4906, 25.2635,
97.8244

■ 38.1308, 33.3531,
99.0358

■ 46.4037, 43.2632,
100.5126

■ 56.4090, 55.0965,
102.2694

■ 68.2381, 68.9479,
104.3195

■ 81.9761, 84.9059,
106.6756

Harmonies

Analogous

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



9.3014, 8.6320, 130.9159



18.7932, 8.6320, 95.2834



28.1597, 8.6320, 39.2636

Triad

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



18.7932, 8.6320, 95.2834



15.8030, 8.6320, 0.0000



0.6769, 8.6320, 12.7430

Complementary

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



18.7932, 8.6320, 95.2834



67.1422, 73.0287, 10.6743

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.



0.9745, 8.6320, 0.4780



18.7932, 8.6320, 95.2834



7.1973, 8.6320, 0.0000

Square

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



18.7932, 8.6320, 95.2834



25.8344, 8.6320, 0.0000



2.6002, 8.6320, 0.0000



1.2513, 8.6320, 54.4052

Rectangle

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



18.7932, 8.6320, 95.2834



31.2254, 8.6320, 13.8877



2.6002, 8.6320, 0.0000



0.6829, 8.6320, 5.9993

Sweetspot

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



18.7939, 8.6320, 95.2833



54.6880, 53.0701, 101.9689



48.3826, 76.5749, 78.1232



10.7820, 10.2685, 21.6637



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.



18.7939, 8.6320, 95.2833



18.6353, 8.3907, 95.2451



22.4981, 9.5788, 95.2709



17.2009, 17.7734, 22.7740



9.7975, 4.5046, 49.7877



1.0118, 0.5544, 4.8669

Inverse Universe

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



41.6340, 21.4884, 3.7863



41.5355, 21.3782, 3.4858



51.7563, 79.7638, 12.7853



18.1093, 18.0270, 19.1928



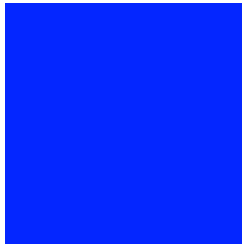
21.7335, 11.1827, 1.9813



2.1453, 1.1005, 0.3468

Previews

White Background



This preview shows how the XYZ color 18.7932, 8.6320, 95.2834 looks on a white background.

Color Contrast Check

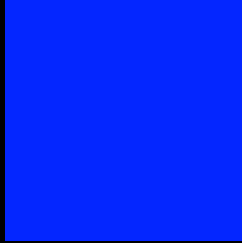
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.7932, 8.6320, 95.2834 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

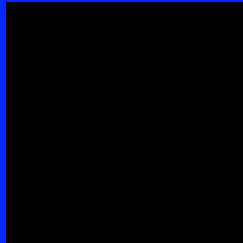
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.7932, 8.6320, 95.2834

Background



This preview shows how black text looks on a background with the XYZ color 18.7932, 8.6320, 95.2834.



This preview shows how white text looks on a background with the XYZ color 18.7932, 8.6320,

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

18.7932, 8.6320, 95.2834

Protanopia

9.6789, 8.3451, 37.1770

Deuteranopia

8.0562, 8.4201, 26.3999



Tritanopia

5.8524, 8.3267, 12.3651

Trichromacy



Original Color

18.7932, 8.6320, 95.2834

Protanomaly

12.0390, 7.7505, 54.2875

Deuteranomaly

10.5231, 7.5181, 45.1525

Tritanomaly

8.1626, 6.9743, 31.4878

Monochromacy



Original Color

18.7932, 8.6320, 95.2834

Achromatopsia

3.3839, 3.5601, 3.8770

Achromatomaly

5.5160, 3.9776, 20.2157

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7932, 8.6320, 95.2834 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(4, 38, 255)` looks like.

```
.text, #text, p{  
    color:rgb(4, 38, 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(4, 38, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 38, 255) }
```

Border

The CSS property to change the border of an element to XYZ 18.7932, 8.6320, 95.2834 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(4, 38, 255) }
```


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

```
.border{ border-color:rgb(4, 38, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 38, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 38, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 38, 255);  
box-shadow:4px 4px 4px 4px rgb(4, 38, 255)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.7932, 8.6320, 95.2834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 38, 255) }
```

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

```
.background{ background-color: rgb(4, 38,  
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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