

Converting Colors

XYZ(17.8478, 9.9922, 85.1894)

Have a look what the booklet for
XYZ(17.8478, 9.9922, 85.1894)
contains.

XYZ(17.8045, 9.9658, 84.9896)	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(17.8045, 9.9658,
84.9896)**

Conversions

Conversions Part 1

Format	Color
Hex	003FF2
RGB	0, 63, 242
RGB Percent	0%, 25%, 95%
CMY	0.9997, 0.7530, 0.0510
CMYK	1.00, 0.74, 0.00, 0.05
HSL	224°, 100%, 47%
HSV	224°, 100%, 95%
XYZ	17.8045, 9.9658, 84.9896
YIQ	64.5690, -95.0070, 42.3130

Conversions

Conversions Part 2

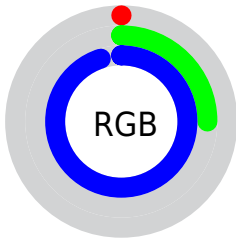
Format	Color
RYB	0, 50, 242
Decimal	16370
CIELab	37.78, 54.27, -91.42
CIELCh	38, 106.318, 300.696
Yxy	9.9658, 0.1579, 0.0884
Android (android.graphics.Color)	4278206450 (0xFF003FF2)
YUV	64.5690, 87.4735, -56.6270
Hunter-Lab	31.5687, 45.4276, -137.5234

Details

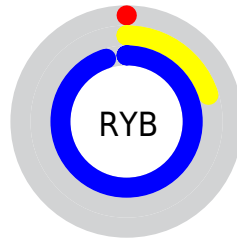
The XYZ color **17.8045, 9.9658, 84.9896** is a dark color, and the websafe version is hex **3333FF**. The color can be described as dark saturated blue. A complement of this color would be **52.7527, 51.1459, 7.0937**, and the grayscale version is **4.8444, 5.0967, 5.5503**.

A 20% lighter version of the original color is **30.7836, 22.3857, 97.3062**, and **8.8846, 3.9264, 45.6370** is the 20% darker color. If you saturate the color by 10%, you get **17.8017, 9.9600, 84.9890**, and if you desaturate by 10%, it is **19.3453, 12.4786, 85.3938**.

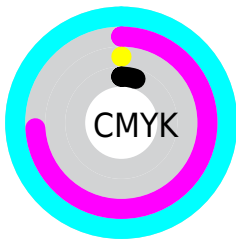
Distribution



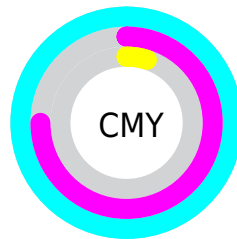
- Red (0%)
- Green (25%)
- Blue (95%)



- Red (0%)
- Yellow (20%)
- Blue (95%)



- Cyan (100%)
- Magenta (74%)
- Yellow (0%)
- Black (5%)



- Cyan (100%)
- Magenta (75%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.8045, 9.9658, 84.9896 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 17.8045, 9.9658, 84.9896 by changing the saturation by 10% instead.

■ 17.8045, 9.9658,
84.9896

■ 17.8045, 9.9658,
84.9896

232.8337,
190.4278, 531.7373

■ 10.9086, 5.3763,
63.2827

■ 39.2366, 25.7312,
142.2327

■ 6.0722, 2.4697,
45.6275

■ 54.5035, 37.6758,
178.6059

■ 2.9301, 0.8614,
31.6054

■ 73.2914, 52.8409,
220.7050

■ 1.1169, 0.0000,
20.7980

■ 95.9657, 71.6109,
268.9485

■ 0.0392, 0.0000,
12.7866

■ 122.8917, 94.3702,
323.7550

■ 0.0000, 0.0000,
7.1528

■ 154.4348,

■ 0.0000, 0.0000,

121.5032, 385.5429

3.4779

190.9604,
153.3943, 454.7308

■ 0.0000, 0.0000,
1.3435

■ 0.0000, 0.0000,
0.0971

■ 17.8045, 9.9658,
84.9896

■ 17.8045, 9.9658,
84.9896

■ 17.8017, 9.9600,
84.9890

■ 19.3453, 12.4786,
85.3938

■ 21.7117, 15.9378,
85.9367

■ 25.0774, 20.4700,
86.6341

■ 29.5534, 26.1664,
87.4978

■ 35.2349, 33.1073,
88.5380

■ 42.2064, 41.3652,
89.7645

■ 50.5442, 51.0068,
91.1861

■ 60.3187, 62.0940,
92.8110

■ 71.5952, 74.6847,
94.6469

Harmonies

Analogous

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



9.6314, 9.9658, 107.3163



17.8045, 9.9658, 84.9896



25.9887, 9.9658, 41.2890

Triad

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



17.8045, 9.9658, 84.9896



17.3900, 9.9658, 0.0000



1.5032, 9.9658, 11.3110

Complementary

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



17.8045, 9.9658, 84.9896



52.7527, 51.1459, 7.0937

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.



2.0465, 9.9658, 0.9161



17.8045, 9.9658, 84.9896



9.3147, 9.9658, 0.0000

Square

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



17.8045, 9.9658, 84.9896



25.6796, 9.9658, 0.7597



4.2552, 9.9658, 0.0000



2.1041, 9.9658, 43.2335

Rectangle

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



17.8045, 9.9658, 84.9896



29.0328, 9.9658, 18.0730



4.2552, 9.9658, 0.0000



1.5537, 9.9658, 5.8662

Sweetspot

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



17.8052, 9.9659, 84.9899



56.8104, 57.3149, 102.6764



39.7373, 66.6987, 52.6285



11.2703, 11.2450, 21.8264



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.



17.8052, 9.9659, 84.9899



20.0175, 11.1550, 95.7058



17.6878, 7.2680, 84.4754



15.2315, 15.8972, 19.9873



9.6569, 5.5380, 45.6878



0.8814, 0.6167, 3.8268

Inverse Universe

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



37.5159, 19.2376, 6.4381



42.2331, 21.6572, 7.1596



51.8930, 73.8874, 11.5286



15.9416, 15.8263, 17.2484



20.2000, 10.3524, 3.7036



1.7198, 0.8770, 0.5155

Previews

White Background



This preview shows how the XYZ color 17.8045, 9.9658, 84.9896 looks on a white background.

Color Contrast Check

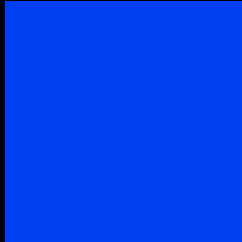
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.8045, 9.9658, 84.9896 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

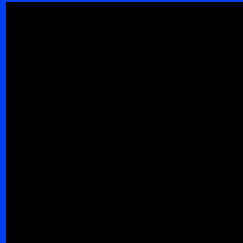
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.8045, 9.9658, 84.9896

Background



This preview shows how black text looks on a background with the XYZ color 17.8045, 9.9658, 84.9896.



This preview shows how white text looks on a background with the XYZ color 17.8045, 9.9658,

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

17.8045, 9.9658, 84.9896

Protanopia

11.3852, 9.7517, 43.9300

Deuteranopia

9.4086, 9.7492, 31.0917



Tritanopia

6.8159, 9.7146, 14.3478

Trichromacy



Original Color

17.8045, 9.9658, 84.9896

Protanomaly

13.3145, 9.5720, 57.0229

Deuteranomaly

11.6994, 9.3876, 47.0943

Tritanomaly

9.0812, 8.8301, 31.7976

Monochromacy



Original Color

17.8045, 9.9658, 84.9896

Achromatopsia

5.0244, 5.2861, 5.7565

Achromatomaly

6.7103, 5.7232, 21.5199

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.8045, 9.9658, 84.9896 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(0, 63, 242)` looks like.

```
.text, #text, p{  
    color:rgb(0, 63, 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(0, 63, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 63, 242) }
```

Border

The CSS property to change the border of an element to XYZ 17.8045, 9.9658, 84.9896 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(0, 63, 242) }
```


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

```
.border{ border-color:rgb(0, 63, 242) }
```

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

Here you see how a box with a 4 pixel rgb(0, 63, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 63, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 63, 242);  
box-shadow:4px 4px 4px 4px rgb(0, 63, 242)  
}
```

Background

The CSS property to change the background color of an element to XYZ 17.8045, 9.9658, 84.9896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 63, 242) }
```

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

```
.background{ background-color: rgb(0, 63,  
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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor