

Converting Colors

XYZ(20.9100, 15.8742, 80.5592)

Have a look what the booklet for
XYZ(20.9100, 15.8742, 80.5592)
contains.

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Color

**XYZ(20.8680, 15.7906,
80.5453)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 3264EB |
| RGB | 50, 100, 235 |
| RGB Percent | 20%, 39%, 92% |
| CMY | 0.8039, 0.6078, 0.0784 |
| CMYK | 0.79, 0.57, 0.00, 0.08 |
| HSL | 224°, 82%, 56% |
| HSV | 224°, 79%, 92% |
| XYZ | 20.8680, 15.7906, 80.5453 |
| YIQ | 100.4400, -73.1350, 31.3850 |

Conversions

Conversions Part 2

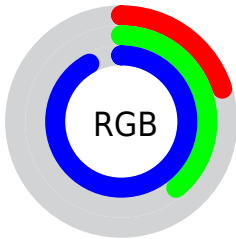
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 50, 89, 235 |
| Decimal | 3302635 |
| CIE Lab | 46.70, 31.38, -72.78 |
| CIE LCh | 47, 79.257, 293.327 |
| Yxy | 15.7906, 0.1780, 0.1347 |
| Android (android.graphics.Color) | 4281492715 (0xFF3264EB) |
| YUV | 100.4400, 66.3381, -44.2359 |
| Hunter-Lab | 39.7374, 24.1984, -92.3611 |

Details

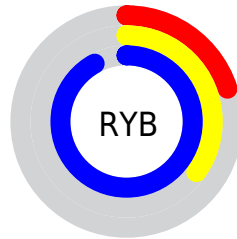
The XYZ color **20.8680, 15.7906, 80.5453** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed azure. A complement of this color would be **52.1900, 52.5982, 10.4213**, and the grayscale version is **12.0760, 12.7049, 13.8356**.

A 20% lighter version of the original color is **37.2685, 33.3178, 99.0745**, and **9.4021, 5.9467, 42.7718** is the 20% darker color. If you saturate the color by 10%, you get **18.5165, 12.3881, 80.0129**, and if you desaturate by 10%, it is **24.1612, 20.1925, 81.2218**.

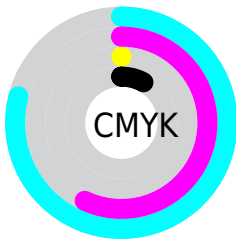
Distribution



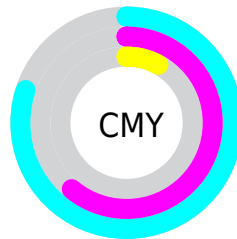
- Red (20%)
- Green (39%)
- Blue (92%)



- Red (20%)
- Yellow (35%)
- Blue (92%)



- Cyan (79%)
- Magenta (57%)
- Yellow (0%)
- Black (8%)



- Cyan (80%)
- Magenta (61%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8680, 15.7906, 80.5453 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 20.8680, 15.7906, 80.5453 by changing the saturation by 10% instead.

■ 20.8680, 15.7906,
80.5453

■ 20.8680, 15.7906,
80.5453

249.3212,
228.1029, 516.5238

■ 13.1395, 9.3761,
59.6384

■ 44.3607, 36.2343,
135.9504

■ 7.6023, 4.9873,
42.7038

■ 60.8555, 51.0323,
171.2857

■ 3.8912, 2.2398,
29.3231

■ 81.0032, 69.3935,
212.2676

■ 1.6408, 0.7416,
19.0777

■ 105.1690, 91.7025,
259.3145

■ 0.4188, 0.0000,
11.5491

■ 133.7184,
118.3435, 312.8450

■ 0.0000, 0.0000,
6.3186

167.0166,

■ 0.0000, 0.0000,

149.7010, 373.2777

2.9679

205.4291,
186.1593, 441.0311

■ 0.0000, 0.0000,
1.0783

■ 0.0000, 0.0000,
0.0000

■ 20.8680, 15.7906,
80.5453

■ 20.8680, 15.7906,
80.5453

■ 18.5165, 12.3881,
80.0129

■ 24.1612, 20.1925,
81.2218

■ 16.9639, 9.8790,
79.6104

■ 28.4937, 25.6738,
82.0515

■ 16.8006, 9.6085,
79.5668

■ 33.9524, 32.3069,
83.0441

■ 40.6139, 40.1567,
84.2081

■ 48.5479, 49.2832,
85.5516

■ 57.8184, 59.7422,
87.0817

■ 68.4852, 71.5860,
88.8056

■ 80.6041, 84.8640,
90.7298

■ 91.7893, 98.3659,
92.7464

Harmonies

Analogous

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



13.5258, 15.7906, 88.7463



20.8680, 15.7906, 80.5453



28.2860, 15.7906, 51.1134

Triad

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



20.8680, 15.7906, 80.5453



24.3570, 15.7906, 1.2019



5.3426, 15.7906, 13.1626

Complementary

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



20.8680, 15.7906, 80.5453



52.1900, 52.5982, 10.4213

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.



6.7134, 15.7906, 3.0537



20.8680, 15.7906, 80.5453



16.5958, 15.7906, 0.1254

Square

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



20.8680, 15.7906, 80.5453



30.6923, 15.7906, 6.1452



10.3634, 15.7906, 0.5408



5.8554, 15.7906, 36.9364

Rectangle

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



20.8680, 15.7906, 80.5453



31.5446, 15.7906, 30.4858



10.3634, 15.7906, 0.5408



5.5799, 15.7906, 8.4655

Sweetspot

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



20.8688, 15.7910, 80.5458



63.3765, 64.9223, 103.7987



39.5292, 63.4973, 54.7484



12.7379, 12.9590, 22.0799



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.



20.8688, 15.7910, 80.5458



21.1255, 13.0712, 96.0173



20.3627, 10.4594, 79.5433



14.5623, 15.2111, 19.0908



9.4406, 5.5282, 44.3124



0.8188, 0.5890, 3.5054

Inverse Universe

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



37.7027, 20.8650, 14.0967



42.8655, 22.1904, 9.6263



52.7698, 71.2390, 13.9888



15.2326, 15.1209, 16.5103



19.6205, 10.0509, 3.8027



1.5798, 0.8049, 0.5044

Previews

White Background



This preview shows how the XYZ color 20.8680, 15.7906, 80.5453 looks on a white background.

Color Contrast Check

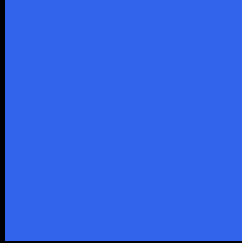
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 20.8680, 15.7906, 80.5453 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

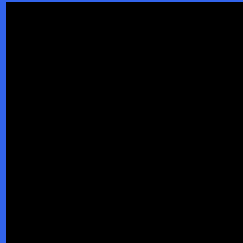
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.8680, 15.7906, 80.5453

Background



This preview shows how black text looks on a background with the XYZ color 20.8680, 15.7906, 80.5453.



This preview shows how white text looks on a background with the XYZ color 20.8680, 15.7906,

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

20.8680, 15.7906, 80.5453

Protanopia

18.7446, 15.7443, 73.2852

Deuteranopia

15.5308, 15.6605, 52.6563



Tritanopia

10.9888, 15.5308, 23.5377

Trichromacy



Original Color

20.8680, 15.7906, 80.5453

Protanomaly

19.3426, 15.6864, 76.1370

Deuteranomaly

16.9972, 15.4078, 61.7527

Tritanomaly

13.3347, 14.9904, 39.2364

Monochromacy



Original Color

20.8680, 15.7906, 80.5453

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

13.4617, 13.0781, 30.2486

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8680, 15.7906, 80.5453 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(50, 100, 235)` looks like.

```
.text, #text, p{  
    color:rgb(50, 100, 235)  
}
```

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(50, 100, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 100, 235) }
```

Border

The CSS property to change the border of an element to XYZ 20.8680, 15.7906, 80.5453 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(50, 100, 235) }
```


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

```
.border{ border-color:rgb(50, 100, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 100, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 100, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 100, 235);  
box-shadow:4px 4px 4px 4px rgb(50, 100,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8680, 15.7906, 80.5453 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 100, 235) }
```

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

```
.background{ background-color: rgb(50, 100,  
235) }
```

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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