

Converting Colors

XYZ(20.8641, 10.4278, 95.5208)

Have a look what the booklet for
XYZ(20.8641, 10.4278, 95.5208)
contains.

XYZ(20.8647, 10.4284, 95.5209)	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(20.8647, 10.4284,
95.5209)**

Conversions

Conversions Part 1

Format	Color
Hex	3833FF
RGB	56, 51, 255
RGB Percent	22%, 20%, 100%
CMY	0.7803, 0.8000, 0.0000
CMYK	0.78, 0.80, 0.00, 0.00
HSL	241°, 100%, 60%
HSV	241°, 80%, 100%
XYZ	20.8647, 10.4284, 95.5209
YIQ	75.7510, -62.5040, 64.5040

Conversions

Conversions Part 2

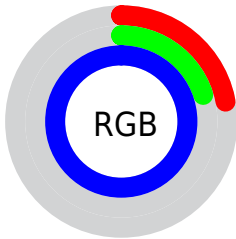
Format	Color
R _Y B	56, 51, 255
Decimal	3683327
CIE Lab	38.60, 66.27, -97.32
CIE LCh	39, 117.743, 304.254
Yxy	10.4284, 0.1645, 0.0822
Android (android.graphics.Color)	4281873407 (0xFF3833FF)
YUV	75.7510, 88.3698, -17.3216
Hunter-Lab	32.2930, 58.8170, -152.7712

Details

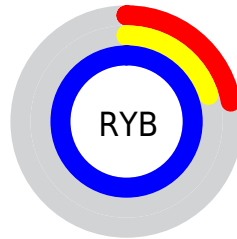
The XYZ color **20.8647, 10.4284, 95.5209** is a dark color, and the websafe version is hex **3333FF**. The color can be described as dark washed blue. A complement of this color would be **75.7741, 92.0790, 16.9107**, and the grayscale version is **6.6773, 7.0251, 7.6503**.

A 20% lighter version of the original color is **33.0536, 22.1547, 97.1419**, and **10.0780, 4.0312, 53.0703** is the 20% darker color. If you saturate the color by 10%, you get **18.9777, 8.2302, 95.1961**, and if you desaturate by 10%, it is **24.0525, 14.2018, 96.0813**.

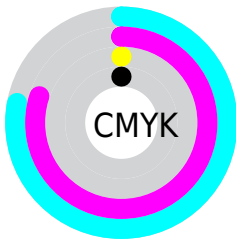
Distribution



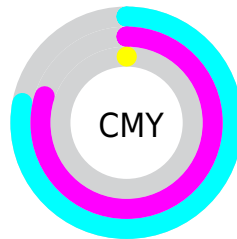
- Red (22%)
- Green (20%)
- Blue (100%)



- Red (22%)
- Yellow (20%)
- Blue (100%)



- Cyan (78%)
- Magenta (80%)
- Yellow (0%)
- Black (0%)




- Cyan (78%)
- Magenta (80%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.8647, 10.4284, 95.5209 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 20.8647, 10.4284, 95.5209 by changing the saturation by 10% instead.


 20.8647, 10.4284,
95.5209


 20.8647, 10.4284,
95.5209


249.3039,
193.7029, 566.8581


 13.1370, 5.6839,
71.9693


 44.3552, 26.5982,
156.9858

 7.6006, 2.6538,
52.6469


 60.8488, 38.7923,
195.7362

 3.8901, 0.9538,
37.1352


 80.9950, 54.2385,
240.3900

 1.6402, 0.0000,
25.0156

 105.1593, 73.3210,
291.3657

 0.4184, 0.0000,
15.8695

 133.7070, 96.4243,
349.0818

 0.0000, 0.0000,
9.2785

 167.0034,

 0.0000, 0.0000,

123.9328, 413.9569

4.8240

205.4139,
156.2308, 486.4095

■ 0.0000, 0.0000,
2.0874

■ 0.0000, 0.0000,
0.6083

■ 20.8647, 10.4284,
95.5209

■ 20.8647, 10.4284,
95.5209

■ 18.9777, 8.2302,
95.1961

■ 24.0525, 14.2018,
96.0813

■ 18.1286, 7.2605,
95.0537

■ 28.7164, 19.7714,
96.9105

■ 35.0069, 27.3231,
98.0366

■ 43.0554, 37.0197,
99.4840

■ 52.9797, 49.0070,
101.2747

■ 64.8878, 63.4183,
103.4287

■ 78.8792, 80.3765,
105.9646

95.0468, 99.9961,
108.8994

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



11.0569, 10.4284, 128.8709



20.8647, 10.4284, 95.5209



30.2570, 10.4284, 41.7372

Triad

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



20.8647, 10.4284, 95.5209



17.8800, 10.4284, 0.0000



1.2471, 10.4284, 14.8176

Complementary

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



20.8647, 10.4284, 95.5209



75.7741, 92.0790, 16.9107

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.



1.6434, 10.4284, 1.0817



20.8647, 10.4284, 95.5209



8.8488, 10.4284, 0.0000

Square

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



20.8647, 10.4284, 95.5209



27.9937, 10.4284, 0.0195



3.6750, 10.4284, 0.0000



1.9995, 10.4284, 56.1803

Rectangle

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



20.8647, 10.4284, 95.5209



33.3043, 10.4284, 16.1766



3.6750, 10.4284, 0.0000



1.2556, 10.4284, 7.6011

Sweetspot

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



20.8654, 10.4285, 95.5209



59.8822, 57.3576, 102.5227



54.0999, 77.2935, 106.6755



11.9215, 11.1929, 21.7821



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.



20.8654, 10.4285, 95.5209



18.3783, 7.5536, 95.0971



33.0210, 16.6949, 96.0898



17.0443, 17.3991, 22.7100



9.4904, 3.8030, 49.6684



0.9380, 0.3775, 4.8367

Inverse Universe

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



59.6756, 30.5280, 93.1721



58.4456, 28.3194, 91.9874



48.8612, 78.2049, 15.6512



18.7722, 18.2922, 22.6837



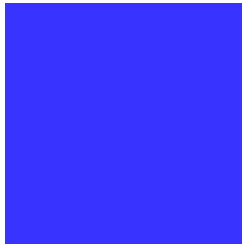
30.4695, 14.6771, 47.9844



2.9726, 1.4314, 4.7031

Previews

White Background



This preview shows how the XYZ color 20.8647, 10.4284, 95.5209 looks on a white background.

Color Contrast Check

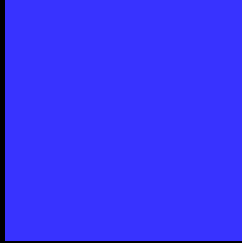
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.8647, 10.4284, 95.5209 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

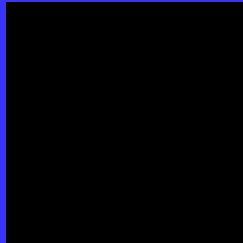
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.8647, 10.4284, 95.5209

Background



This preview shows how black text looks on a background with the XYZ color 20.8647, 10.4284, 95.5209.



This preview shows how white text looks on a background with the XYZ color 20.8647, 10.4284,

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

20.8647, 10.4284, 95.5209

Protanopia

11.8517, 10.1938, 45.5989

Deuteranopia

9.8307, 10.1953, 32.4601



Tritanopia

7.1070, 10.1343, 14.9461

Trichromacy



Original Color

20.8647, 10.4284, 95.5209

Protanomaly

14.2459, 9.6497, 61.4333

Deuteranomaly

12.4169, 9.3591, 50.4423

Tritanomaly

9.6509, 8.7214, 34.4324

Monochromacy



Original Color

20.8647, 10.4284, 95.5209

Achromatopsia

6.8694, 7.2272, 7.8704

Achromatomaly

9.2691, 7.2026, 26.1010

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8647, 10.4284, 95.5209 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(56, 51, 255)` looks like.

```
.text, #text, p{  
    color:rgb(56, 51, 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(56, 51, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 51, 255) }
```

Border

The CSS property to change the border of an element to XYZ 20.8647, 10.4284, 95.5209 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(56, 51, 255) }
```


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

```
.border{ border-color:rgb(56, 51, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 51, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 51, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 51, 255);  
box-shadow:4px 4px 4px 4px rgb(56, 51,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8647, 10.4284, 95.5209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 51, 255) }
```

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

```
.background{ background-color: rgb(56, 51,  
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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