

Converting Colors

XYZ(20.8836, 33.0479, 5.9784)

Have a look what the booklet for
XYZ(20.8836, 33.0479, 5.9784)
contains.

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Color

**XYZ(20.7878, 32.8843,
5.9611)**

Conversions

Conversions Part 1

Format	Color
Hex	68AD15
RGB	104, 173, 21
RGB Percent	41%, 68%, 8%
CMY	0.5922, 0.3216, 0.9176
CMYK	0.40, 0.00, 0.88, 0.32
HSL	87°, 78%, 38%
HSV	87°, 88%, 68%
XYZ	20.7878, 32.8843, 5.9611
YIQ	135.0410, 7.6680, -61.9000

Conversions

Conversions Part 2

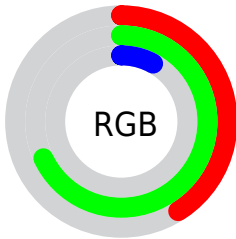
Format	Color
RYB	21, 173, 90
Decimal	6860053
CIELab	64.07, -43.87, 62.10
CIELCh	64, 76.035, 125.235
Yxy	32.8843, 0.3486, 0.5514
Android (android.graphics.Color)	4285050133 (0xFF68AD15)
YUV	135.0410, -56.2222, -27.2230
Hunter-Lab	57.3448, -35.6463, 33.9781

Details

The XYZ color **20.7878, 32.8843, 5.9611** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **12.0292, 5.7283, 40.0087**, and the grayscale version is **23.2456, 24.4562, 26.6328**.

A 20% lighter version of the original color is **44.2786, 64.2402, 18.2495**, and **7.7987, 13.9908, 2.2895** is the 20% darker color. If you saturate the color by 10%, you get **19.8037, 32.3913, 5.3149**, and if you desaturate by 10%, it is **21.9626, 33.4656, 7.1620**.

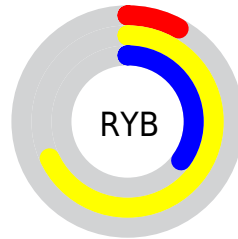
Distribution



Red (41%)

Green (68%)

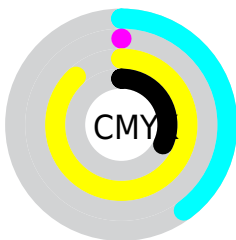
Blue (8%)



Red (8%)

Yellow (68%)

Blue (35%)

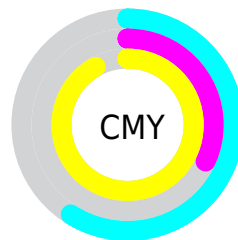


Cyan (40%)

Magenta (0%)

Yellow (88%)

Black (32%)



Cyan (59%)


Magenta (32%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.7878, 32.8843, 5.9611 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 20.7878, 32.8843, 5.9611 by changing the saturation by 10% instead.


 20.7878, 32.8843,
5.9611


 20.7878, 32.8843,
5.9611


248.9017,
315.1281, 168.0175


 13.0806, 22.0378,
2.7530


 44.2280, 64.1949,
18.3264


 7.5614, 13.8847,
0.9700


 60.6918, 85.4277,
28.3207


 3.8650, 8.0405,
0.0000


 80.8050, 110.8915,
41.4141

 1.6261, 4.1209,
0.0000

 104.9332,
140.9706, 58.0252

 0.4093, 1.7414,
0.0000

 133.4415,
176.0494, 78.5726

 0.0000, 0.4503,
0.0000

 166.6955,

 0.0000, 0.0000,

216.5123, 103.4747

0.0000

205.0605,
262.7438, 133.1502

■ 20.7878, 32.8843,
5.9611

■ 20.7878, 32.8843,
5.9611

■ 19.8037, 32.3913,
5.3149

■ 21.9626, 33.4656,
7.1620

■ 19.6078, 32.2927,
5.1997

■ 23.3538, 34.1425,
9.0508

■ 24.9802, 34.9237,
11.7121

■ 26.8575, 35.8158,
15.2175

■ 28.9996, 36.8247,
19.6307

■ 31.4195, 37.9556,
25.0090

■ 34.1290, 39.2137,
31.4053

■ 37.1392, 40.6034,
38.8684

■ 40.4605, 42.1292,
47.4440

Harmonies

Analogous

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



29.4082, 32.8843, 3.2957



20.7878, 32.8843, 5.9611



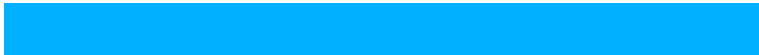
15.9996, 32.8843, 16.3005

Triad

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



20.7878, 32.8843, 5.9611



23.3760, 32.8843, 120.8761



56.6711, 32.8843, 30.6737

Complementary

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



20.7878, 32.8843, 5.9611



12.0292, 5.7283, 40.0087

Split Complementary

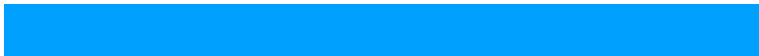
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



54.0169, 32.8843, 66.7463



20.7878, 32.8843, 5.9611



33.1787, 32.8843, 132.9457

Square

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



20.7878, 32.8843, 5.9611



17.2364, 32.8843, 81.9346



44.7532, 32.8843, 109.1297



51.3475, 32.8843, 11.3695

Rectangle

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



20.7878, 32.8843, 5.9611



14.8578, 32.8843, 31.1125



44.7532, 32.8843, 109.1297



56.6931, 32.8843, 40.9479

Sweetspot

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



20.7886, 32.8857, 5.9618



56.9170, 68.2757, 46.2820



20.9761, 16.1514, 2.7219



12.0377, 14.6833, 9.2985



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



20.7886, 32.8857, 5.9618



34.8638, 57.7025, 9.3002



15.5754, 30.1983, 5.7178



8.3067, 9.1467, 8.5410



14.4708, 23.7570, 3.8229



0.4646, 0.6929, 0.1092

Inverse Universe

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



12.0292, 5.7283, 40.0087



18.9743, 8.2211, 71.3925



23.4127, 11.5966, 40.5414



7.9113, 7.9286, 10.0661



7.9464, 3.4564, 29.2928



0.2846, 0.1289, 0.8179

Previews

White Background



This preview shows how the XYZ color 20.7878, 32.8843, 5.9611 looks on a white 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

Black Background



This preview shows how the XYZ color 20.7878, 32.8843, 5.9611 looks on a black 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

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

XYZ 20.7878, 32.8843, 5.9611

Background



This preview shows how black text looks on a background with the XYZ color 20.7878, 32.8843, 5.9611.



This preview shows how white text looks on a background with the XYZ color 20.7878, 32.8843,

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

20.7878, 32.8843, 5.9611

Protanopia

29.2562, 32.4731, 5.1414

Deuteranopia

33.0481, 32.4833, 6.4475



Tritanopia

28.5532, 32.7567, 44.8622

Trichromacy



Original Color

20.7878, 32.8843, 5.9611



Protanomaly

25.4159, 32.2707, 5.4196



Deuteranomaly

26.8471, 31.4583, 6.0236



Tritanomaly

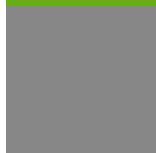
23.9276, 31.9313, 22.0418

Monochromacy



Original Color

20.7878, 32.8843, 5.9611



Achromatopsia

23.0288, 24.2281, 26.3844



Achromatomaly

21.0800, 26.5881, 14.6107

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7878, 32.8843, 5.9611 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(104, 173, 21)` looks like.

```
.text, #text, p{  
    color:rgb(104, 173, 21)  
}
```

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(104, 173, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 173, 21) }
```

Border

The CSS property to change the border of an element to XYZ 20.7878, 32.8843, 5.9611 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(104, 173, 21) }
```


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

```
.border{ border-color:rgb(104, 173, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 173, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 173, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 173, 21);  
box-shadow:4px 4px 4px 4px rgb(104, 173,  
21) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7878, 32.8843, 5.9611 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 173, 21) }
```

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

```
.background{ background-color: rgb(104,  
173, 21) }
```

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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