

Converting Colors

XYZ(19.4438, 32.4124, 1.2503)

Have a look what the booklet for
XYZ(19.4438, 32.4124, 1.2503)
contains.

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Color

**XYZ(20.0892, 32.5398,
5.2220)**

Conversions

Conversions Part 1

Format	Color
Hex	63AD00
RGB	99, 173, 0
RGB Percent	39%, 68%, 0%
CMY	0.6118, 0.3216, 0.9999
CMYK	0.43, 0.00, 1.00, 0.32
HSL	86°, 100%, 34%
HSV	86°, 100%, 68%
XYZ	20.0892, 32.5398, 5.2220
YIQ	131.1520, 11.4290, -69.4910

Conversions

Conversions Part 2

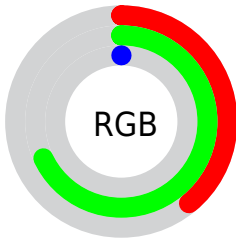
Format	Color
RYB	0, 173, 74
Decimal	6532352
CIELab	63.79, -46.07, 64.90
CIELCh	64, 79.589, 125.371
Yxy	32.5398, 0.3473, 0.5625
Android (android.graphics.Color)	4284722432 (0xFF63AD00)
YUV	131.1520, -64.6579, -28.1973
Hunter-Lab	57.0437, -36.9637, 34.5029

Details

The XYZ color **20.0892, 32.5398, 5.2220** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **10.3689, 4.4743, 39.8541**, and the grayscale version is **21.8505, 22.9884, 25.0343**.

A 20% lighter version of the original color is **42.9996, 63.6145, 16.6691**, and **7.5158, 13.8450, 2.2762** is the 20% darker color. If you saturate the color by 10%, you get **20.0891, 32.5408, 5.2222**, and if you desaturate by 10%, it is **21.0396, 33.0188, 5.8078**.

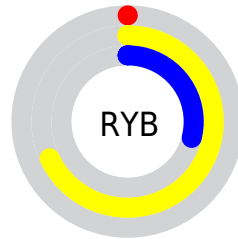
Distribution



Red (39%)

Green (68%)

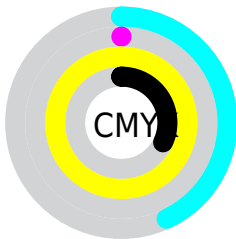
Blue (0%)



Red (0%)

Yellow (68%)

Blue (29%)

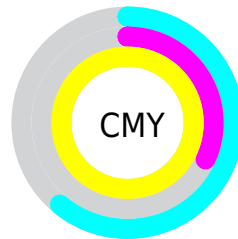


Cyan (43%)

Magenta (0%)

Yellow (100%)

Black (32%)



Cyan (61%)

Magenta (32%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0892, 32.5398, 5.2220 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 20.0892, 32.5398, 5.2220 by changing the saturation by 10% instead.

■ 20.0892, 32.5398,
5.2220

■ 20.0892, 32.5398,
5.2220

245.2220,
313.5709, 160.9690

■ 12.5685, 21.7741,
2.3171

■ 43.0695, 63.6564,
16.7422

■ 7.2071, 13.6910,
0.7408

■ 59.2598, 84.7761,
26.1946

■ 3.6394, 7.9061,
0.0000

■ 79.0708, 110.1159,
38.6666

■ 1.5002, 4.0349,
0.0000

■ 102.8677,
140.0603, 54.5767

■ 0.3260, 1.6931,
0.0000

■ 131.0159,
174.9936, 74.3434

■ 0.0000, 0.4192,
0.0000

■ 163.8808,

■ 0.0000, 0.0000,

215.3002, 98.3854

0.0000

201.8277,
261.3645, 127.1211

20.0892, 32.5398,
5.2220

20.0892, 32.5398,
5.2220

20.0891, 32.5408,
5.2222

21.0396, 33.0188,
5.8078

22.1557, 33.5718,
6.8728

23.4759, 34.2154,
8.6060

25.0185, 34.9571,
11.0946

26.7992, 35.8035,
14.4123

■ 28.8319, 36.7603,
18.6243

■ 31.1296, 37.8328,
23.7892

■ 33.7038, 39.0259,
29.9607

■ 36.5655, 40.3442,
37.1883

Harmonies

Analogous

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



28.9615, 32.5398, 2.7003



20.0892, 32.5398, 5.2220



15.2273, 32.5398, 15.4848

Triad

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



20.0892, 32.5398, 5.2220



22.8148, 32.5398, 125.8851



57.6104, 32.5398, 29.9805

Complementary

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



20.0892, 32.5398, 5.2220



10.3689, 4.4743, 39.8541

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.



54.8413, 32.5398, 67.7344



20.0892, 32.5398, 5.2220



32.9817, 32.5398, 138.6951

Square

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



20.0892, 32.5398, 5.2220



16.5152, 32.5398, 84.2808



45.0972, 32.5398, 112.9529



51.9494, 32.5398, 10.4237

Rectangle

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



20.0892, 32.5398, 5.2220



14.0829, 32.5398, 30.6951



45.0972, 32.5398, 112.9529



57.6471, 32.5398, 40.6290

Sweetspot

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



20.0899, 32.5412, 5.2227



55.5171, 67.6459, 42.0650



19.5579, 13.5316, 1.5815



11.6908, 14.5265, 8.2858



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.



20.0899, 32.5412, 5.2227



35.7260, 58.1470, 9.3405



15.1322, 29.9854, 4.9907



8.3267, 9.1570, 8.5420



14.8241, 23.9392, 3.8394



0.4733, 0.6974, 0.1097

Inverse Universe

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



10.3689, 4.4743, 39.8541



18.3325, 7.8902, 71.3625



21.7599, 10.3465, 40.3872



7.8916, 7.9184, 10.0652



7.6793, 3.3187, 29.2803



0.2770, 0.1250, 0.8175

Previews

White Background



This preview shows how the XYZ color 20.0892, 32.5398, 5.2220 looks on a white background.

Color Contrast Check

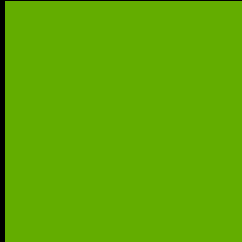
Large Text (above 18pt) WCAG AA × Fail

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 20.0892, 32.5398, 5.2220 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 20.0892, 32.5398, 5.2220

Background



This preview shows how black text looks on a background with the XYZ color 20.0892, 32.5398, 5.2220.



This preview shows how white text looks on a background with the XYZ color 20.0892, 32.5398,

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

20.0892, 32.5398, 5.2220

Protanopia

28.7892, 31.9954, 4.6584

Deuteranopia

32.8304, 32.1485, 6.0650



Tritanopia

27.9926, 32.4677, 44.8359

Trichromacy



Original Color

20.0892, 32.5398, 5.2220

Protanomaly

24.5989, 31.6007, 4.8031

Deuteranomaly

26.3314, 31.2058, 5.3946

Tritanomaly

23.0065, 31.5027, 19.9070

Monochromacy



Original Color

20.0892, 32.5398, 5.2220

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

19.4480, 25.1042, 12.0042

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0892, 32.5398, 5.2220 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(99, 173, 0)` looks like.

```
.text, #text, p{  
    color:rgb(99, 173, 0)  
}
```

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(99, 173, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 173, 0) }
```

Border

The CSS property to change the border of an element to XYZ 20.0892, 32.5398, 5.2220 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(99, 173, 0) }
```


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

```
.border{ border-color:rgb(99, 173, 0) }
```

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

Here you see how a box with a 4 pixel rgb(99, 173, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 173, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 173, 0);  
box-shadow:4px 4px 4px 4px rgb(99, 173, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.0892, 32.5398, 5.2220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 173, 0) }
```

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

```
.background{ background-color: rgb(99, 173,  
0) }
```

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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