

Converting Colors

XYZ(20.8062, 32.3023, 5.1384)

Have a look what the booklet for
XYZ(20.8062, 32.3023, 5.1384)
contains.

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Color

**XYZ(20.8696, 32.3770,
5.1495)**

Conversions

Conversions Part 1

Format	Color
Hex	6DAB00
RGB	109, 171, 0
RGB Percent	43%, 67%, 0%
CMY	0.5725, 0.3294, 0.9999
CMYK	0.36, 0.00, 1.00, 0.33
HSL	82°, 100%, 34%
HSV	82°, 100%, 67%
XYZ	20.8696, 32.3770, 5.1495
YIQ	132.9680, 17.9390, -66.3250

Conversions

Conversions Part 2

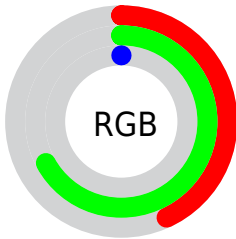
Format	Color
RYB	0, 171, 62
Decimal	7187200
CIELab	63.65, -41.69, 65.01
CIELCh	64, 77.226, 122.672
Yxy	32.3770, 0.3574, 0.5544
Android (android.graphics.Color)	4285377280 (0xFF6DAB00)
YUV	132.9680, -65.5532, -21.0199
Hunter-Lab	56.9008, -34.1076, 34.4648

Details

The XYZ color **20.8696, 32.3770, 5.1495** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **9.3392, 3.9656, 38.8031**, and the grayscale version is **22.5108, 23.6832, 25.7910**.

A 20% lighter version of the original color is **44.4650, 63.5532, 16.5800**, and **7.8946, 13.6869, 2.2258** is the 20% darker color. If you saturate the color by 10%, you get **20.8694, 32.3780, 5.1496**, and if you desaturate by 10%, it is **21.7624, 32.8265, 5.7243**.

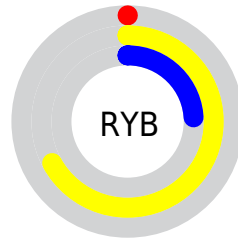
Distribution



Red (43%)

Green (67%)

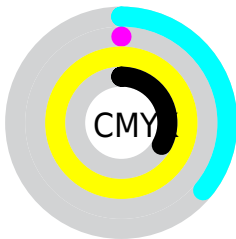
Blue (0%)



Red (0%)

Yellow (67%)

Blue (24%)

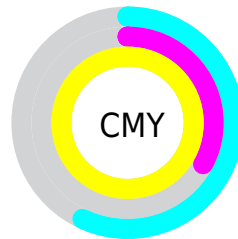


Cyan (36%)

Magenta (0%)

Yellow (100%)

Black (33%)



Cyan (57%)


Magenta (33%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.8696, 32.3770, 5.1495 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 20.8696, 32.3770, 5.1495 by changing the saturation by 10% instead.


 20.8696, 32.3770,
5.1495


 20.8696, 32.3770,
5.1495


249.3295,
312.8330, 160.2540


 13.1406, 21.6496,
2.2750


 44.3633, 63.4016,
16.5844


 7.6031, 13.5997,
0.7171


 60.8588, 84.4677,
25.9818


 3.8917, 7.8428,
0.0000


 81.0071, 109.7487,
38.3905

 1.6411, 3.9945,
0.0000

 105.1737,
139.6292, 54.2292

 0.4189, 1.6705,
0.0000

 133.7239,
174.4935, 73.9164

 0.0000, 0.4044,
0.0000

 167.0230,

 0.0000, 0.0000,

214.7259, 97.8706

0.0000

205.4364,
260.7110, 126.5102

20.8696, 32.3770,
5.1495

20.8696, 32.3770,
5.1495

20.8694, 32.3780,
5.1496

21.7624, 32.8265,
5.7243

22.7971, 33.3380,
6.7633

24.0107, 33.9275,
8.4522

25.4201, 34.6019,
10.8753

27.0401, 35.3672,
14.1044

■ 28.8835, 36.2287,
18.2028

■ 30.9620, 37.1912,
23.2273

■ 33.2866, 38.2591,
29.2300

■ 35.8672, 39.4365,
36.2591

Harmonies

Analogous

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



29.8154, 32.3770, 2.9681



20.8696, 32.3770, 5.1495



15.7663, 32.3770, 14.3926

Triad

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



20.8696, 32.3770, 5.1495



22.1908, 32.3770, 118.8752



56.5259, 32.3770, 32.5527

Complementary

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



20.8696, 32.3770, 5.1495



9.3392, 3.9656, 38.8031

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.



53.1532, 32.3770, 70.2097



20.8696, 32.3770, 5.1495



31.7516, 32.3770, 134.2762

Square

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



20.8696, 32.3770, 5.1495



16.3943, 32.3770, 78.0886



43.3994, 32.3770, 112.7493



51.7717, 32.3770, 11.9083

Rectangle

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



20.8696, 32.3770, 5.1495



14.4306, 32.3770, 28.1986



43.3994, 32.3770, 112.7493



56.3057, 32.3770, 43.3956

Sweetspot

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



20.8703, 32.3784, 5.1502



55.2364, 66.5065, 41.0662



18.4042, 11.8758, 1.3228



11.9686, 14.6698, 8.2988



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.



20.8703, 32.3784, 5.1502



37.1343, 57.8609, 9.2111



14.9812, 29.3425, 4.8746



8.3767, 9.1828, 8.5443



15.7909, 24.4376, 3.8847



0.4964, 0.7093, 0.1107

Inverse Universe

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



9.3392, 3.9656, 38.8031



16.5110, 6.9910, 69.4810



19.0911, 8.9929, 39.2595



7.8429, 7.8933, 10.0629



7.0927, 3.0163, 29.2529



0.2583, 0.1154, 0.8166

Previews

White Background



This preview shows how the XYZ color 20.8696, 32.3770, 5.1495 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 20.8696, 32.3770, 5.1495 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 20.8696, 32.3770, 5.1495

Background



This preview shows how black text looks on a background with the XYZ color 20.8696, 32.3770, 5.1495.



This preview shows how white text looks on a background with the XYZ color 20.8696, 32.3770,

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

20.8696, 32.3770, 5.1495

Protanopia

28.7892, 31.9954, 4.6584

Deuteranopia

32.5457, 32.0050, 5.9011



Tritanopia

28.5969, 32.2869, 43.7545

Trichromacy



Original Color

20.8696, 32.3770, 5.1495

Protanomaly

25.1485, 31.6256, 4.7789

Deuteranomaly

26.7570, 31.1782, 5.3172

Tritanomaly

23.6032, 31.2916, 19.2639

Monochromacy



Original Color

20.8696, 32.3770, 5.1495

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

20.3856, 25.8084, 12.5014

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8696, 32.3770, 5.1495 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(109, 171, 0)` looks like.

```
.text, #text, p{  
    color:rgb(109, 171, 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(109, 171, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 171, 0) }
```

Border

The CSS property to change the border of an element to XYZ 20.8696, 32.3770, 5.1495 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(109, 171, 0) }
```


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

```
.border{ border-color:rgb(109, 171, 0) }
```

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

Here you see how a box with a 4 pixel rgb(109, 171, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 171, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 171, 0);  
box-shadow:4px 4px 4px 4px rgb(109, 171,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8696, 32.3770, 5.1495 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 171, 0) }
```

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

```
.background{ background-color: rgb(109,  
171, 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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