

Converting Colors

XYZ(19.7031, 31.7801, 1.3162)

Have a look what the booklet for
XYZ(19.7031, 31.7801, 1.3162)
contains.

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Color

**XYZ(20.5068, 32.1900,
5.1325)**

Conversions

Conversions Part 1

Format	Color
Hex	6AAB00
RGB	106, 171, 0
RGB Percent	42%, 67%, 0%
CMY	0.5843, 0.3294, 0.9999
CMYK	0.38, 0.00, 1.00, 0.33
HSL	83°, 100%, 34%
HSV	83°, 100%, 67%
XYZ	20.5068, 32.1900, 5.1325
YIQ	132.0710, 16.1510, -66.9610

Conversions

Conversions Part 2

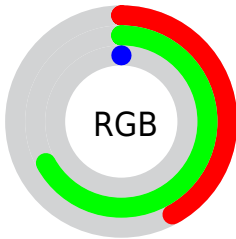
Format	Color
RYB	0, 171, 65
Decimal	6990592
CIELab	63.50, -42.78, 64.82
CIELCh	63, 77.668, 123.426
Yxy	32.1900, 0.3546, 0.5566
Android (android.graphics.Color)	4285180672 (0xFF6AAB00)
YUV	132.0710, -65.1110, -22.8643
Hunter-Lab	56.7362, -34.7712, 34.3518

Details

The XYZ color **20.5068, 32.1900, 5.1325** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **9.5326, 4.0653, 38.8122**, and the grayscale version is **22.1828, 23.3381, 25.4152**.

A 20% lighter version of the original color is **43.8433, 63.2327, 16.5510**, and **7.6974, 13.5852, 2.2165** is the 20% darker color. If you saturate the color by 10%, you get **20.5067, 32.1910, 5.1327**, and if you desaturate by 10%, it is **21.4117, 32.6457, 5.7079**.

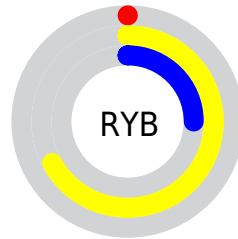
Distribution



Red (42%)

Green (67%)

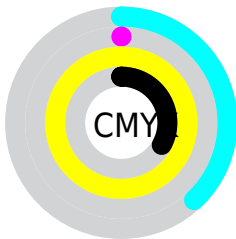
Blue (0%)



Red (0%)

Yellow (67%)

Blue (25%)

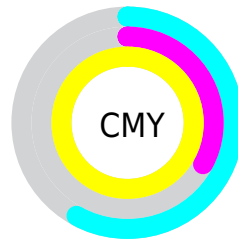


Cyan (38%)

Magenta (0%)

Yellow (100%)

Black (33%)



Cyan (58%)


Magenta (33%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.5068, 32.1900, 5.1325 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 20.5068, 32.1900, 5.1325 by changing the saturation by 10% instead.


 20.5068, 32.1900,
5.1325


 20.5068, 32.1900,
5.1325


247.4273,
311.9839, 160.0857


 12.8744, 21.5067,
2.2651


 43.7627, 63.1088,
16.5473


 7.4185, 13.4949,
0.7116


 60.1170, 84.1131,
25.9317


 3.7738, 7.7702,
0.0000


 80.1092, 109.3265,
38.3256

 1.5750, 3.9482,
0.0000

 104.1047,
139.1334, 54.1475

 0.3760, 1.6447,
0.0000

 132.4689,
173.9182, 73.8159


 0.0000, 0.3874,
0.0000


 165.5672,


 0.0000, 0.0000,


214.0653, 97.7494


0.0000


 203.7649,
259.9590, 126.3665


 20.5068, 32.1900,
5.1325


 20.5068, 32.1900,
5.1325


 20.5067, 32.1910,
5.1327

 21.4117, 32.6457,
5.7079

 22.4635, 33.1660,
6.7476

 23.6993, 33.7670,
8.4375

 25.1362, 34.4555,
10.8618

 26.7890, 35.2378,
14.0925

■ 28.6708, 36.1191,
18.1926

■ 30.7936, 37.1044,
23.2191

■ 33.1682, 38.1981,
29.2241

■ 35.8049, 39.4045,
36.2558

Harmonies

Analogous

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



29.3691, 32.1900, 2.8726



20.5068, 32.1900, 5.1325



15.5062, 32.1900, 14.5814

Triad

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



20.5068, 32.1900, 5.1325



22.2008, 32.1900, 119.9026



56.4152, 32.1900, 31.6078

Complementary

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



20.5068, 32.1900, 5.1325



9.5326, 4.0653, 38.8122

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.



53.2284, 32.1900, 69.0300



20.5068, 32.1900, 5.1325



31.8559, 32.1900, 134.5067

Square

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



20.5068, 32.1900, 5.1325



16.3101, 32.1900, 79.1811



43.5462, 32.1900, 111.9984



51.4500, 32.1900, 11.4073

Rectangle

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



20.5068, 32.1900, 5.1325



14.2327, 32.1900, 28.6615



43.5462, 32.1900, 111.9984



56.2656, 32.1900, 42.3224

Sweetspot

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



20.5075, 32.1914, 5.1332



54.9304, 66.3488, 41.0518



18.5571, 12.1816, 1.3737



11.8929, 14.6307, 8.2953



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.



20.5075, 32.1914, 5.1332



36.4817, 57.5244, 9.1805



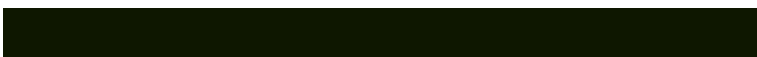
14.9128, 29.3072, 4.8714



8.3632, 9.1758, 8.5437



15.5182, 24.2970, 3.8719



0.4900, 0.7060, 0.1104

Inverse Universe

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



9.5326, 4.0653, 38.8122



16.8514, 7.1665, 69.4970



19.6012, 9.2559, 39.2834



7.8559, 7.9000, 10.0635



7.2399, 3.0922, 29.2598



0.2634, 0.1180, 0.8169

Previews

White Background



This preview shows how the XYZ color 20.5068, 32.1900, 5.1325 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 20.5068, 32.1900, 5.1325 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 20.5068, 32.1900, 5.1325

Background



This preview shows how black text looks on a background with the XYZ color 20.5068, 32.1900, 5.1325.



This preview shows how white text looks on a background with the XYZ color 20.5068, 32.1900,

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

20.5068, 32.1900, 5.1325

Deuteranopia

32.4065, 31.7037, 5.9248

Tritanopia

28.3020, 32.1348, 43.7407

Trichromacy



Original Color

20.5068, 32.1900, 5.1325

Deuteranomaly

26.3984, 30.7462, 5.3023

Tritanomaly

23.3287, 31.1501, 19.2510

Monochromacy



Original Color

20.5068, 32.1900, 5.1325

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

20.0475, 25.4088, 12.2353

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5068, 32.1900, 5.1325 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(106, 171, 0)` looks like.

```
.text, #text, p{  
    color:rgb(106, 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(106, 171, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 171, 0) }
```

Border

The CSS property to change the border of an element to XYZ 20.5068, 32.1900, 5.1325 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(106, 171, 0) }
```

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

```
.border{ border-color:rgb(106, 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(106, 171, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 171, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 171, 0);  
box-shadow:4px 4px 4px 4px rgb(106, 171,  
0) }
```


Background

The CSS property to change the background color of an element to XYZ 20.5068, 32.1900, 5.1325 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 171, 0) }
```

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

```
.background{ background-color: rgb(106,  
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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