

Converting Colors

XYZ(20.9493, 32.2808, 4.9223)

Have a look what the booklet for
XYZ(20.9493, 32.2808, 4.9223)
contains.

XYZ(20.9303, 32.1290, 5.0984)	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(20.9303, 32.1290,
5.0984)**

Conversions

Conversions Part 1

Format	Color
Hex	6FAA00
RGB	111, 170, 0
RGB Percent	44%, 67%, 0%
CMY	0.5647, 0.3333, 0.9999
CMYK	0.35, 0.00, 1.00, 0.33
HSL	81°, 100%, 33%
HSV	81°, 100%, 67%
XYZ	20.9303, 32.1290, 5.0984
YIQ	132.9790, 19.4060, -65.3780

Conversions

Conversions Part 2

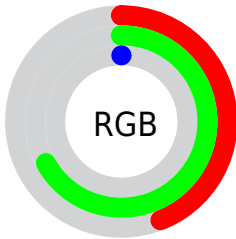
Format	Color
RYB	0, 170, 59
Decimal	7318016
CIELab	63.45, -40.52, 64.90
CIELCh	63, 76.505, 121.979
Yxy	32.1290, 0.3599, 0.5524
Android (android.graphics.Color)	4285508096 (0xFF6FAA00)
YUV	132.9790, -65.5586, -19.2756
Hunter-Lab	56.6824, -33.2822, 34.3448

Details

The XYZ color **20.9303, 32.1290, 5.0984** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **9.0611, 3.8332, 38.2944**, and the grayscale version is **22.5145, 23.6870, 25.7951**.

A 20% lighter version of the original color is **44.6148, 63.2255, 16.5089**, and **7.8826, 13.5068, 2.1916** is the 20% darker color. If you saturate the color by 10%, you get **20.9302, 32.1300, 5.0986**, and if you desaturate by 10%, it is **21.7995, 32.5664, 5.6680**.

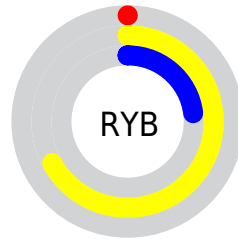
Distribution



Red (44%)

Green (67%)

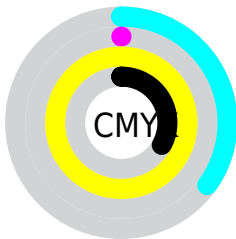
Blue (0%)



Red (0%)

Yellow (67%)

Blue (23%)

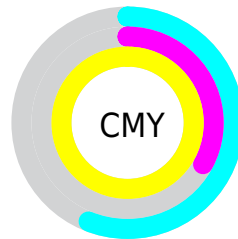


Cyan (35%)

Magenta (0%)

Yellow (100%)

Black (33%)



Cyan (56%)

Magenta (33%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9303, 32.1290, 5.0984 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 20.9303, 32.1290, 5.0984 by changing the saturation by 10% instead.

■ 20.9303, 32.1290,
5.0984

■ 20.9303, 32.1290,
5.0984

249.6466,
311.7065, 159.7473

■ 13.1852, 21.4601,
2.2454

■ 44.4637, 63.0133,
16.4728

■ 7.6341, 13.4607,
0.7004

■ 60.9827, 83.9974,
25.8312

■ 3.9115, 7.7465,
0.0000

■ 81.1570, 109.1886,
38.1952

■ 1.6522, 3.9332,
0.0000

■ 105.3521,
138.9715, 53.9833

■ 0.4261, 1.6363,
0.0000

■ 133.9332,
173.7303, 73.6140


■ 0.0000, 0.3819,
0.0000


■ 167.2658,


■ 0.0000, 0.0000,


213.8495, 97.5059


0.0000


 205.7151,
259.7134, 126.0775


 20.9303, 32.1290,
5.0984


 20.9303, 32.1290,
5.0984


 20.9302, 32.1300,
5.0986

 21.7995, 32.5664,
5.6680

 22.8045, 33.0628,
6.6945

 23.9815, 33.6339,
8.3621

 25.3474, 34.2866,
10.7538

 26.9163, 35.0265,
13.9404

■ 28.7010, 35.8588,
17.9841

■ 30.7128, 36.7883,
22.9410

■ 32.9622, 37.8192,
28.8625

■ 35.4592, 38.9556,
35.7960

Harmonies

Analogous

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



29.8364, 32.1290, 3.0173



20.9303, 32.1290, 5.0984



15.7992, 32.1290, 14.0393

Triad

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



20.9303, 32.1290, 5.0984



21.8963, 32.1290, 116.4307



55.8987, 32.1290, 32.9978

Complementary

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



20.9303, 32.1290, 5.0984



9.0611, 3.8332, 38.2944

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.



52.4024, 32.1290, 70.3774



20.9303, 32.1290, 5.0984



31.2498, 32.1290, 132.3442

Square

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



20.9303, 32.1290, 5.0984



16.2590, 32.1290, 76.1131



42.7099, 32.1290, 111.9770



51.3960, 32.1290, 12.2171

Rectangle

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



20.9303, 32.1290, 5.0984



14.4240, 32.1290, 27.4248



42.7099, 32.1290, 111.9770



55.6178, 32.1290, 43.8160

Sweetspot

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



20.9310, 32.1304, 5.0991



55.5091, 66.6471, 41.0789



18.0258, 11.4411, 1.2588



12.0361, 14.7046, 8.3020



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.



20.9310, 32.1304, 5.0991



37.7310, 58.1684, 9.2390



14.8640, 29.0027, 4.8152



7.8903, 8.6416, 8.0414



15.4575, 23.6659, 3.7533



0.4280, 0.6026, 0.0937

Inverse Universe

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



9.0611, 3.8332, 38.2944



16.2258, 6.8439, 69.4677



18.3555, 8.6247, 38.7294



7.3682, 7.4224, 9.4627



6.7197, 2.8476, 28.1710



0.2185, 0.0976, 0.6880

Previews

White Background



This preview shows how the XYZ color 20.9303, 32.1290, 5.0984 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 20.9303, 32.1290, 5.0984 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

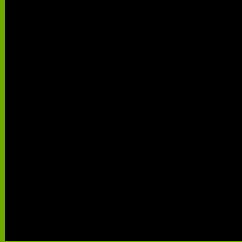
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 20.9303, 32.1290, 5.0984

Background



This preview shows how black text looks on a background with the XYZ color 20.9303, 32.1290, 5.0984.



This preview shows how white text looks on a background with the XYZ color 20.9303, 32.1290,

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

20.9303, 32.1290, 5.0984

Protanopia

28.6248, 31.6667, 4.6036

Deuteranopia

32.3922, 31.6981, 5.8499



Tritanopia

28.6308, 32.0611, 43.2075

Trichromacy



Original Color

20.9303, 32.1290, 5.0984

Protanomaly

24.9758, 31.2803, 4.7213

Deuteranomaly

26.7952, 30.9519, 5.2715

Tritanomaly

23.7067, 31.0824, 19.2180

Monochromacy



Original Color

20.9303, 32.1290, 5.0984

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

20.3760, 25.5736, 12.4566

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9303, 32.1290, 5.0984 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(111, 170, 0)` looks like.

```
.text, #text, p{  
    color:rgb(111, 170, 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(111, 170, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 170, 0) }
```

Border

The CSS property to change the border of an element to XYZ 20.9303, 32.1290, 5.0984 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(111, 170, 0) }
```


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

```
.border{ border-color:rgb(111, 170, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 170, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 170, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 170, 0);  
box-shadow:4px 4px 4px 4px rgb(111, 170,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9303, 32.1290, 5.0984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 170, 0) }
```

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

```
.background{ background-color: rgb(111,  
170, 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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