

Converting Colors

XYZ(20.4548, 32.0613, 3.2234)

Have a look what the booklet for
XYZ(20.4548, 32.0613, 3.2234)
contains.

XYZ(20.6814, 32.0007, 5.0867)	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(20.6814, 32.0007,
5.0867)**

Conversions

Conversions Part 1

Format	Color
Hex	6DAA00
RGB	109, 170, 0
RGB Percent	43%, 67%, 0%
CMY	0.5726, 0.3333, 0.9999
CMYK	0.36, 0.00, 1.00, 0.33
HSL	82°, 100%, 33%
HSV	82°, 100%, 67%
XYZ	20.6814, 32.0007, 5.0867
YIQ	132.3810, 18.2140, -65.8020

Conversions

Conversions Part 2

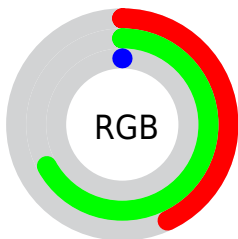
Format	Color
RYB	0, 170, 61
Decimal	7186944
CIELab	63.34, -41.26, 64.77
CIELCh	63, 76.795, 122.501
Yxy	32.0007, 0.3580, 0.5539
Android (android.graphics.Color)	4285377024 (0xFF6DAA00)
YUV	132.3810, -65.2638, -20.5051
Hunter-Lab	56.5692, -33.7373, 34.2671

Details

The XYZ color **20.6814, 32.0007, 5.0867** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **9.1819, 3.8955, 38.3001**, and the grayscale version is **22.2954, 23.4565, 25.5441**.

A 20% lighter version of the original color is **44.1922, 63.0077, 16.4891**, and **7.7775, 13.4526, 2.1867** is the 20% darker color. If you saturate the color by 10%, you get **20.6814, 32.0017, 5.0869**, and if you desaturate by 10%, it is **21.5602, 32.4431, 5.6567**.

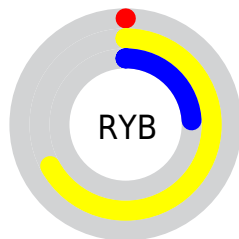
Distribution



Red (43%)

Green (67%)

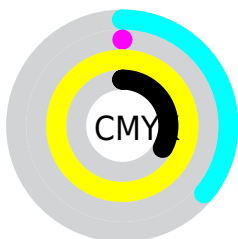
Blue (0%)



Red (0%)

Yellow (67%)

Blue (24%)

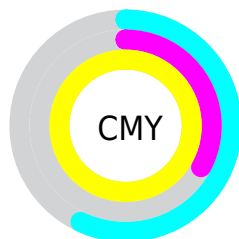


Cyan (36%)

Magenta (0%)

Yellow (100%)

Black (33%)



Cyan (57%)


Magenta (33%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.6814, 32.0007, 5.0867 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 20.6814, 32.0007, 5.0867 by changing the saturation by 10% instead.


 20.6814, 32.0007,
5.0867


 20.6814, 32.0007,
5.0867


248.3443,
311.1224, 159.6309


 13.0024, 21.3620,
2.2386


 44.0520, 62.8122,
16.4472


 7.5072, 13.3889,
0.6965


 60.4743, 83.7538,
25.7967


 3.8304, 7.6969,
0.0000


 80.5418, 108.8985,
38.1504

 1.6067, 3.9016,
0.0000

 104.6198,
138.6307, 53.9269

 0.3967, 1.6187,
0.0000

 133.0737,
173.3348, 73.5446


 0.0000, 0.3701,
0.0000


 166.2689,


 0.0000, 0.0000,


213.3952, 97.4222


0.0000


 204.5706,
259.1963, 125.9781


 20.6814, 32.0007,
5.0867


 20.6814, 32.0007,
5.0867


 20.6814, 32.0017,
5.0869

 21.5602, 32.4431,
5.6567

 22.5778, 32.9460,
6.6838

 23.7708, 33.5253,
8.3520

 25.1560, 34.1879,
10.7445

 26.7477, 34.9395,
13.9321

■ 28.5586, 35.7854,
17.9769

■ 30.6003, 36.7303,
22.9352

■ 32.8833, 37.7786,
28.8581

■ 35.4176, 38.9342,
35.7933

Harmonies

Analogous

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



29.5304, 32.0007, 2.9512



20.6814, 32.0007, 5.0867



15.6209, 32.0007, 14.1649

Triad

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



20.6814, 32.0007, 5.0867



21.9020, 32.0007, 117.1136



55.8210, 32.0007, 32.3451

Complementary

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



20.6814, 32.0007, 5.0867



9.1819, 3.8955, 38.3001

Split Complementary

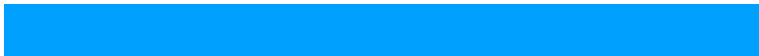
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



52.4504, 32.0007, 69.5679



20.6814, 32.0007, 5.0867



31.3185, 32.0007, 132.4925

Square

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



20.6814, 32.0007, 5.0867



16.2013, 32.0007, 76.8392



42.8066, 32.0007, 111.4619



51.1753, 32.0007, 11.8679

Rectangle

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



20.6814, 32.0007, 5.0867



14.2885, 32.0007, 27.7322



42.8066, 32.0007, 111.4619



55.5879, 32.0007, 43.0766

Sweetspot

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



20.6821, 32.0021, 5.0874



55.3022, 66.5404, 41.0693



18.1688, 11.7272, 1.3064



11.9849, 14.6782, 8.2996



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.



20.6821, 32.0021, 5.0874



37.2770, 57.9344, 9.2178



14.7892, 28.9642, 4.8116



7.8818, 8.6372, 8.0410



15.2751, 23.5719, 3.7447



0.4244, 0.6007, 0.0936

Inverse Universe

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



9.1819, 3.8955, 38.3001



16.4406, 6.9547, 69.4778



18.8463, 8.8777, 38.7524



7.3764, 7.4267, 9.4631



6.8096, 2.8939, 28.1752



0.2215, 0.0992, 0.6881

Previews

White Background



This preview shows how the XYZ color 20.6814, 32.0007, 5.0867 looks on a white background.

Color Contrast Check

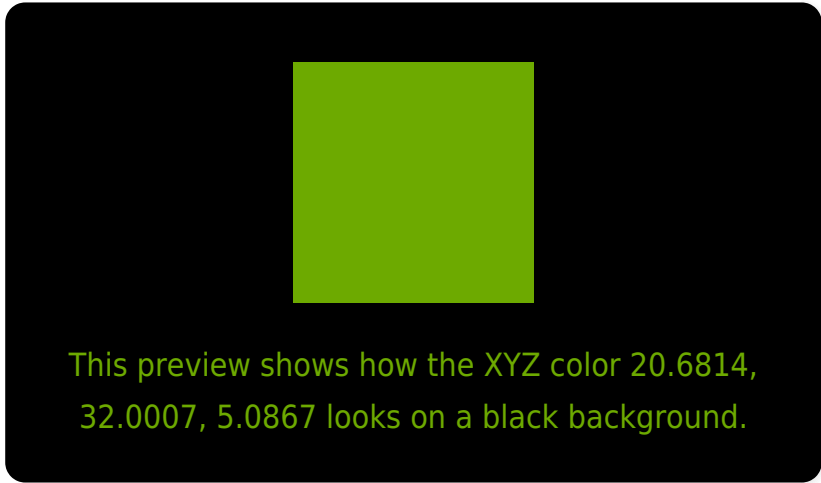
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

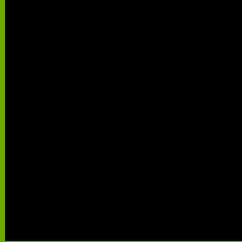
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 20.6814, 32.0007, 5.0867

Background



This preview shows how black text looks on a background with the XYZ color 20.6814, 32.0007, 5.0867.



This preview shows how white text looks on a background with the XYZ color 20.6814, 32.0007,

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

20.6814, 32.0007, 5.0867

Protanopia

28.4045, 31.5531, 4.5933

Deuteranopia

32.1381, 31.5671, 5.8380



Tritanopia

28.3299, 31.9060, 43.1934

Trichromacy



Original Color

20.6814, 32.0007, 5.0867

Protanomaly

24.7926, 31.1858, 4.7128

Deuteranomaly

26.5913, 30.8467, 5.2620

Tritanomaly

23.4264, 30.9379, 19.2049

Monochromacy



Original Color

20.6814, 32.0007, 5.0867

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

20.1913, 25.4829, 12.2420

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.6814, 32.0007, 5.0867 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, 170, 0)` looks like.

```
.text, #text, p{  
    color:rgb(109, 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(109, 170, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 170, 0) }
```

Border

The CSS property to change the border of an element to XYZ 20.6814, 32.0007, 5.0867 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, 170, 0) }
```


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

```
.border{ border-color:rgb(109, 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(109, 170, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 170, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 170, 0);  
box-shadow:4px 4px 4px 4px rgb(109, 170,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 20.6814, 32.0007, 5.0867 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 170, 0) }
```

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

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