

Converting Colors

XYZ(21.3475, 33.0445, 5.3517)

Have a look what the booklet for
XYZ(21.3475, 33.0445, 5.3517)
contains.

XYZ(21.3904, 33.2087, 5.3687)	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(21.3904, 33.2087,
5.3687)**

Conversions

Conversions Part 1

Format	Color
Hex	6EAD03
RGB	110, 173, 3
RGB Percent	43%, 68%, 1%
CMY	0.5686, 0.3216, 0.9882
CMYK	0.36, 0.00, 0.98, 0.32
HSL	82°, 97%, 35%
HSV	82°, 98%, 68%
XYZ	21.3904, 33.2087, 5.3687
YIQ	134.7830, 17.0220, -66.2260

Conversions

Conversions Part 2

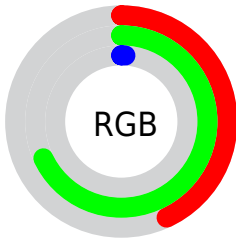
Format	Color
RYB	3, 173, 66
Decimal	7253251
CIELab	64.33, -42.12, 65.16
CIELCh	64, 77.586, 122.876
Yxy	33.2087, 0.3567, 0.5538
Android (android.graphics.Color)	4285443331 (0xFF6EAD03)
YUV	134.7830, -64.9690, -21.7347
Hunter-Lab	57.6270, -34.5903, 34.8153

Details

The XYZ color **21.3904, 33.2087, 5.3687** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **9.8242, 4.2418, 39.8380**, and the grayscale version is **23.1789, 24.3860, 26.5564**.

A 20% lighter version of the original color is **45.2952, 64.7899, 17.1396**, and **8.1326, 14.1630, 2.3051** is the 20% darker color. If you saturate the color by 10%, you get **21.2363, 33.1323, 5.2759**, and if you desaturate by 10%, it is **22.3307, 33.6815, 6.0010**.

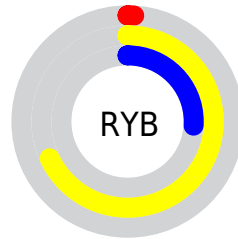
Distribution



Red (43%)

Green (68%)

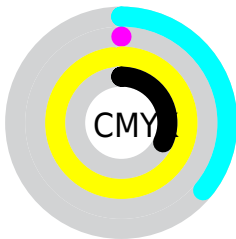
Blue (1%)



Red (1%)

Yellow (68%)

Blue (26%)

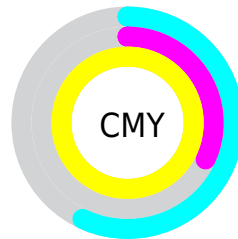


Cyan (36%)

Magenta (0%)

Yellow (98%)

Black (32%)



Cyan (57%)

Magenta (32%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.3904, 33.2087, 5.3687 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 21.3904, 33.2087, 5.3687 by changing the saturation by 10% instead.

■ 21.3904, 33.2087,
5.3687

■ 21.3904, 33.2087,
5.3687

252.0387,
316.5891, 162.4022

■ 13.5238, 22.2864,
2.4027

■ 45.2228, 64.7012,
17.0602

■ 7.8697, 14.0675,
0.7879

■ 61.9192, 86.0402,
26.6229

■ 4.0628, 8.1676,
0.0000

■ 82.2896, 111.6202,
39.2214

■ 1.7377, 4.2024,
0.0000

■ 106.6993,
141.8256, 55.2744

■ 0.4797, 1.7874,
0.0000

■ 135.5138,
177.0408, 75.2005

■ 0.0000, 0.4793,
0.0000

■ 169.0982,

■ 0.0000, 0.0000,

217.6502, 99.4181

0.0000

207.8181,
264.0381, 128.3458

21.3904, 33.2087,
5.3687

21.3904, 33.2087,
5.3687

21.2363, 33.1323,
5.2759

22.3307, 33.6815,
6.0010

23.4312, 34.2241,
7.1725

24.7211, 34.8493,
9.0278

26.2175, 35.5642,
11.6512

27.9351, 36.3748,
15.1146

■ 29.8871, 37.2864,
19.4820

■ 32.0855, 38.3041,
24.8109

■ 34.5414, 39.4322,
31.1543

■ 37.2648, 40.6751,
38.5610

Harmonies

Analogous

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



30.5113, 33.2087, 3.0910



21.3904, 33.2087, 5.3687



16.1951, 33.2087, 14.9271

Triad

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



21.3904, 33.2087, 5.3687



22.8447, 33.2087, 121.6892



57.8516, 33.2087, 33.1949

Complementary

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



21.3904, 33.2087, 5.3687



9.8242, 4.2418, 39.8380

Split Complementary

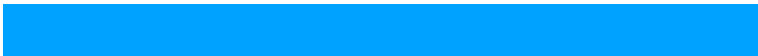
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



54.4650, 33.2087, 71.5421



21.3904, 33.2087, 5.3687



32.6404, 33.2087, 137.1372

Square

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



21.3904, 33.2087, 5.3687



16.8870, 33.2087, 80.1911



44.5392, 33.2087, 114.9703



52.9479, 33.2087, 12.1867

Rectangle

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



21.3904, 33.2087, 5.3687



14.8439, 33.2087, 29.1336



44.5392, 33.2087, 114.9703



57.6465, 33.2087, 44.2308

Sweetspot

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



21.3912, 33.2102, 5.3694



56.9437, 68.3590, 43.1418



19.1611, 12.7117, 1.5303



12.0153, 14.6896, 8.4933



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.



21.3912, 33.2102, 5.3694



37.7865, 59.2093, 9.4370



15.3788, 30.1106, 5.0880



8.3705, 9.1796, 8.5440



15.6651, 24.3727, 3.8788



0.4935, 0.7078, 0.1106

Inverse Universe

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



9.8242, 4.2418, 39.8380



17.0914, 7.2504, 71.3044



20.2161, 9.5990, 40.3244



7.8488, 7.8964, 10.0632



7.1590, 3.0505, 29.2560



0.2606, 0.1166, 0.8167

Previews

White Background



This preview shows how the XYZ color 21.3904, 33.2087, 5.3687 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 21.3904, 33.2087, 5.3687

Background



This preview shows how black text looks on a background with the XYZ color 21.3904, 33.2087, 5.3687.



This preview shows how white text looks on a background with the XYZ color 21.3904, 33.2087,

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

21.3904, 33.2087, 5.3687

Protanopia

29.5677, 32.8909, 4.7902

Deuteranopia

33.4874, 32.7187, 6.0637



Tritanopia

29.2869, 33.1349, 44.8965

Trichromacy



Original Color

21.3904, 33.2087, 5.3687

Protanomaly

25.6883, 32.4222, 4.9329

Deuteranomaly

27.5602, 31.8381, 5.5034

Tritanomaly

24.2649, 32.1451, 20.2550

Monochromacy



Original Color

21.3904, 33.2087, 5.3687

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

21.0719, 26.6186, 13.0441

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3904, 33.2087, 5.3687 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(110, 173, 3)` looks like.

```
.text, #text, p{  
    color:rgb(110, 173, 3)  
}
```

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(110, 173, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 173, 3) }
```

Border

The CSS property to change the border of an element to XYZ 21.3904, 33.2087, 5.3687 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(110, 173, 3) }
```


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

```
.border{ border-color:rgb(110, 173, 3) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 173, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 173, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 173, 3);  
box-shadow:4px 4px 4px 4px rgb(110, 173,  
3) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3904, 33.2087, 5.3687 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 173, 3) }
```

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

```
.background{ background-color: rgb(110,  
173, 3) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor