

Converting Colors

XYZ(22.8491, 33.3968, 5.9121)

Have a look what the booklet for
XYZ(22.8491, 33.3968, 5.9121)
contains.

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Color

**XYZ(22.8576, 33.3873,
5.9015)**

Conversions

Conversions Part 1

Format	Color
Hex	7BAB14
RGB	123, 171, 20
RGB Percent	48%, 67%, 8%
CMY	0.5176, 0.3294, 0.9215
CMYK	0.28, 0.00, 0.88, 0.33
HSL	79°, 79%, 37%
HSV	79°, 88%, 67%
XYZ	22.8576, 33.3873, 5.9015
YIQ	139.4340, 19.8630, -57.1370

Conversions

Conversions Part 2

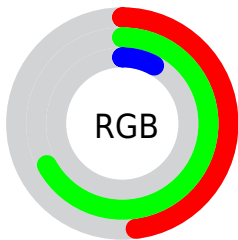
Format	Color
RYB	20, 171, 68
Decimal	8104724
CIELab	64.47, -35.93, 63.06
CIELCh	64, 72.578, 119.677
Yxy	33.3873, 0.3678, 0.5372
Android (android.graphics.Color)	4286294804 (0xFF7BAB14)
YUV	139.4340, -58.8810, -14.4126
Hunter-Lab	57.7817, -30.5061, 34.3917

Details

The XYZ color **22.8576, 33.3873, 5.9015** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **9.9863, 4.6705, 38.9052**, and the grayscale version is **24.9244, 26.2224, 28.5562**.

A 20% lighter version of the original color is **47.8528, 65.2660, 18.2591**, and **8.8623, 14.1858, 2.2710** is the 20% darker color. If you saturate the color by 10%, you get **21.9916, 32.9547, 5.2854**, and if you desaturate by 10%, it is **23.8672, 33.8847, 7.0418**.

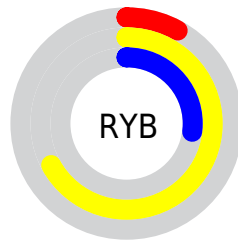
Distribution



Red (48%)

Green (67%)

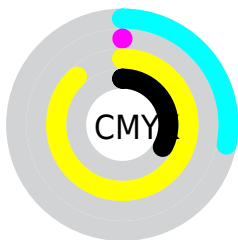
Blue (8%)



Red (8%)

Yellow (67%)

Blue (27%)

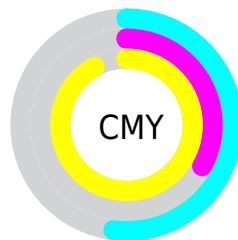


Cyan (28%)

Magenta (0%)

Yellow (88%)

Black (33%)



Cyan (52%)

Magenta (33%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.8576, 33.3873, 5.9015 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 22.8576, 33.3873, 5.9015 by changing the saturation by 10% instead.

■ 22.8576, 33.3873,
5.9015

■ 22.8576, 33.3873,
5.9015

259.5418,
317.3913, 167.4643

■ 14.6085, 22.4233,
2.7175

■ 47.6278, 64.9797,
18.2002

■ 8.6296, 14.1683,
0.9522

■ 64.8796, 86.3770,
28.1520

■ 4.5556, 8.2378,
0.0000

■ 85.8630, 112.0207,
41.1968

■ 2.0210, 4.2475,
0.0000

■ 110.9434,
142.2954, 57.7530

■ 0.6457, 1.8129,
0.0000

■ 140.4861,
177.5854, 78.2394

■ 0.0000, 0.4952,
0.0000

■ 174.8565,

■ 0.0000, 0.0000,

218.2751, 103.0744

0.0000

214.4199,
264.7490, 132.6765

■ 22.8576, 33.3873,
5.9015

■ 22.8576, 33.3873,
5.9015

■ 21.9916, 32.9547,
5.2854

■ 23.8672, 33.8847,
7.0418

■ 21.8512, 32.8842,
5.1956

■ 25.0458, 34.4535,
8.8462

■ 26.4102, 35.1019,
11.3971

■ 27.9746, 35.8354,
14.7647

■ 29.7512, 36.6592,
19.0109

■ 31.7513, 37.5777,
24.1917

■ 33.9853, 38.5952,
30.3585

■ 36.4628, 39.7156,
37.5589

■ 39.1929, 40.9425,
45.8373

Harmonies

Analogous

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



31.8461, 33.3873, 3.9432



22.8576, 33.3873, 5.9015



17.4576, 33.3873, 14.4877

Triad

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



22.8576, 33.3873, 5.9015



22.7016, 33.3873, 111.1793



56.1117, 33.3873, 36.6757

Complementary

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



22.8576, 33.3873, 5.9015



9.9863, 4.6705, 38.9052

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.



52.2208, 33.3873, 73.4320



22.8576, 33.3873, 5.9015



31.6214, 33.3873, 128.4454

Square

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



22.8576, 33.3873, 5.9015



17.3823, 33.3873, 72.5453



42.6531, 33.3873, 111.8584



52.3775, 33.3873, 14.7915

Rectangle

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



22.8576, 33.3873, 5.9015



15.8936, 33.3873, 27.0584



42.6531, 33.3873, 111.8584



55.6420, 33.3873, 47.5644

Sweetspot

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



22.8584, 33.3888, 5.9022



57.5659, 67.6179, 45.2195



18.9783, 12.8220, 2.1369



12.5534, 14.9492, 9.3227



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.



22.8584, 33.3888, 5.9022



38.9033, 58.7728, 9.2939



15.8945, 29.7988, 5.5763



8.4113, 9.2006, 8.5459



16.5282, 24.8177, 3.9192



0.5132, 0.7179, 0.1115

Inverse Universe

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



9.9863, 4.6705, 38.9052



15.7290, 6.5878, 69.4444



18.9849, 9.3095, 39.3263



7.8096, 7.8762, 10.0613



6.7523, 2.8408, 29.2370



0.2455, 0.1087, 0.8160

Previews

White Background



This preview shows how the XYZ color 22.8576, 33.3873, 5.9015 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 22.8576, 33.3873, 5.9015 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 22.8576, 33.3873, 5.9015

Background



This preview shows how black text looks on a background with the XYZ color 22.8576, 33.3873, 5.9015.



This preview shows how white text looks on a background with the XYZ color 22.8576, 33.3873,

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

22.8576, 33.3873, 5.9015

Protanopia

29.8722, 33.0387, 5.2181

Deuteranopia

33.6888, 33.0491, 6.3538



Tritanopia

30.4920, 33.2638, 43.8432

Trichromacy



Original Color

22.8576, 33.3873, 5.9015

Protanomaly

26.7430, 32.6952, 5.3915

Deuteranomaly

28.4980, 32.3109, 6.0309

Tritanomaly

25.9809, 32.4653, 21.7267

Monochromacy



Original Color

22.8576, 33.3873, 5.9015

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

22.8508, 27.9643, 15.2596

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.8576, 33.3873, 5.9015 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(123, 171, 20)` looks like.

```
.text, #text, p{  
    color:rgb(123, 171, 20)  
}
```

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(123, 171, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 171, 20) }
```

Border

The CSS property to change the border of an element to XYZ 22.8576, 33.3873, 5.9015 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(123, 171, 20) }
```


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

```
.border{ border-color:rgb(123, 171, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 171, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 171, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 171, 20);  
box-shadow:4px 4px 4px 4px rgb(123, 171,  
20) }
```

Background

The CSS property to change the background color of an element to XYZ 22.8576, 33.3873, 5.9015 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 171, 20) }
```

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

```
.background{ background-color: rgb(123,  
171, 20) }
```

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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