

Converting Colors

XYZ(29.5434, 44.9597, 23.5223)

Have a look what the booklet for
XYZ(29.5434, 44.9597, 23.5223)
contains.

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Color

**XYZ(29.5308, 44.8373,
23.6210)**

Conversions

Conversions Part 1

Format	Color
Hex	6CC674
RGB	108, 198, 116
RGB Percent	42%, 78%, 45%
CMY	0.5765, 0.2235, 0.5451
CMYK	0.45, 0.00, 0.41, 0.22
HSL	125°, 44%, 60%
HSV	125°, 45%, 78%
XYZ	29.5308, 44.8373, 23.6210
YIQ	161.7420, -27.3180, -44.5820

Conversions

Conversions Part 2

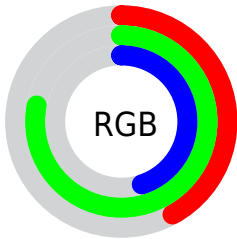
Format	Color
RYB	108, 191, 198
Decimal	7128692
CIELab	72.78, -44.04, 32.90
CIELCh	73, 54.977, 143.238
Yxy	44.8373, 0.3014, 0.4576
Android (android.graphics.Color)	4285318772 (0xFF6CC674)
YUV	161.7420, -22.5508, -47.1317
Hunter-Lab	66.9607, -38.4596, 25.9574

Details

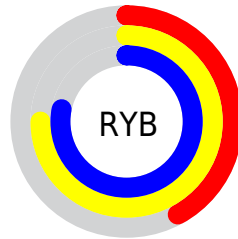
The XYZ color **29.5308, 44.8373, 23.6210** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **37.9469, 26.4494, 51.8218**, and the grayscale version is **34.3342, 36.1222, 39.3371**.

A 20% lighter version of the original color is **58.2313, 82.2771, 50.3481**, and **12.1711, 20.7421, 8.5164** is the 20% darker color. If you saturate the color by 10%, you get **26.4413, 43.3556, 18.5208**, and if you desaturate by 10%, it is **33.3732, 46.6862, 29.8221**.

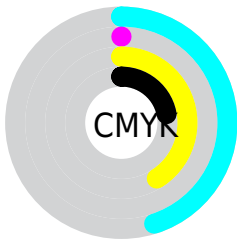
Distribution



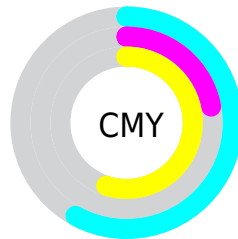
- Red (42%)
- Green (78%)
- Blue (45%)



- Red (42%)
- Yellow (75%)
- Blue (78%)



- Cyan (45%)
- Magenta (0%)
- Yellow (41%)
- Black (22%)



- Cyan (58%)
- Magenta (22%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.5308, 44.8373, 23.6210 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 29.5308, 44.8373, 23.6210 by changing the saturation by 10% instead.

■ 29.5308, 44.8373,
23.6210

■ 29.5308, 44.8373,
23.6210

291.6605,
366.1142, 284.1233

■ 19.6290, 31.3293,
14.8431

■ 58.3111, 82.4762,
50.3471

■ 12.2324, 20.8497,
8.5640

■ 77.9204, 107.3759,
69.1323

■ 6.9755, 13.0142,
4.3650

■ 101.4961,
136.8416, 92.0905

■ 3.4929, 7.4383,
1.8276

■ 129.4038,
171.2577, 119.6401

■ 1.4195, 3.7377,
0.4461

162.0087,
211.0087, 152.1996

■ 0.2700, 1.5279,
0.0000

199.6762,

■ 0.0000, 0.3083,

256.4788, 190.1876

0.0000

242.7717,
308.0525, 234.0227

■ 0.0000, 0.0000,
0.0000

■ 29.5308, 44.8373,
23.6210

■ 29.5308, 44.8373,
23.6210

■ 26.4413, 43.3556,
18.5208

■ 33.3732, 46.6862,
29.8221

■ 24.0520, 42.2114,
14.4543

■ 38.0100, 48.9185,
37.1800

■ 22.3086, 41.3795,
11.3517


■ 43.4837, 51.5562,
45.7505


■ 21.1477, 40.8289,
9.1335


■ 49.8327, 54.6182,
55.5848


■ 20.4919, 40.5217,
7.7072

■ 57.0931, 58.1219,
66.7312

 20.3010, 40.4324,
7.2897

 65.2990, 62.0839,
79.2355

 74.4826, 66.5199,
93.1413

 79.4850, 68.8700,
103.7117

Harmonies

Analogous

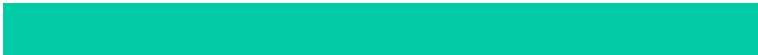
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



35.7728, 44.8373, 14.6826



29.5308, 44.8373, 23.6210



26.8557, 44.8373, 42.8851

Triad

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



29.5308, 44.8373, 23.6210



40.4904, 44.8373, 121.8998



61.8190, 44.8373, 30.8681

Complementary

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



29.5308, 44.8373, 23.6210



37.9469, 26.4494, 51.8218

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.



63.5812, 44.8373, 55.2790



29.5308, 44.8373, 23.6210



50.2817, 44.8373, 114.8591

Square

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



29.5308, 44.8373, 23.6210



32.5422, 44.8373, 104.2483



59.0891, 44.8373, 87.5529



54.5810, 44.8373, 17.6418

Rectangle

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



29.5308, 44.8373, 23.6210



27.1215, 44.8373, 61.8838



59.0891, 44.8373, 87.5529



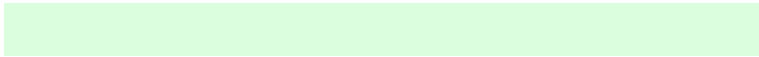
63.1119, 44.8373, 37.7380

Sweetspot

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



29.5319, 44.8392, 23.6220



78.3122, 91.9260, 83.0567



44.2630, 52.4848, 21.9852



16.2708, 19.4391, 17.0128



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



29.5319, 44.8392, 23.6220



46.6424, 76.6859, 32.4970



32.7686, 46.1339, 40.6663



10.5351, 11.9029, 11.5022



13.2155, 26.2986, 4.8134



0.6392, 1.2506, 0.2988

Inverse Universe

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



37.9469, 26.4494, 51.8218



63.4492, 39.9073, 88.7822



33.8020, 24.7914, 29.9951



11.0409, 10.7997, 13.1985



20.5454, 9.9677, 29.1457



0.9850, 0.4769, 1.4444

Previews

White Background



This preview shows how the XYZ color 29.5308, 44.8373, 23.6210 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 29.5308, 44.8373, 23.6210 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

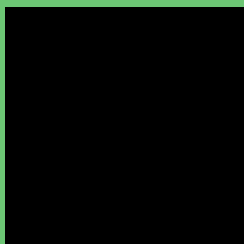
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.5308, 44.8373, 23.6210

Background



This preview shows how black text looks on a background with the XYZ color 29.5308, 44.8373, 23.6210.



This preview shows how white text looks on a background with the XYZ color 29.5308, 44.8373,

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

29.5308, 44.8373, 23.6210

Protanopia

40.8753, 44.3928, 20.6017

Deuteranopia

45.1013, 44.1766, 24.8887



Tritanopia

37.5151, 44.7903, 63.1680

Trichromacy



Original Color

29.5308, 44.8373, 23.6210



Protanomaly

35.3225, 43.6322, 21.5991



Deuteranomaly

37.1670, 42.9973, 24.1097



Tritanomaly

33.9461, 44.6326, 45.3539

Monochromacy



Original Color

29.5308, 44.8373, 23.6210



Achromatopsia

34.3422, 36.1307, 39.3463



Achromatomaly

31.5961, 38.4551, 32.5453

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.5308, 44.8373, 23.6210 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(108, 198, 116)` looks like.

```
.text, #text, p{  
    color:rgb(108, 198, 116)  
}
```

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(108, 198, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 198, 116) }
```

Border

The CSS property to change the border of an element to XYZ 29.5308, 44.8373, 23.6210 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(108, 198, 116) }
```


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

```
.border{ border-color:rgb(108, 198, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 198, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 198, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 198, 116);  
box-shadow:4px 4px 4px 4px rgb(108, 198,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 29.5308, 44.8373, 23.6210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 198, 116) }
```

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

```
.background{ background-color: rgb(108,  
198, 116) }
```

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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