

Converting Colors

XYZ(29.6013, 45.0860, 23.1200)

Have a look what the booklet for
XYZ(29.6013, 45.0860, 23.1200)
contains.

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Color

**XYZ(29.6450, 45.2499,
23.0912)**

Conversions

Conversions Part 1

Format	Color
Hex	6CC772
RGB	108, 199, 114
RGB Percent	42%, 78%, 45%
CMY	0.5765, 0.2196, 0.5529
CMYK	0.46, 0.00, 0.43, 0.22
HSL	124°, 45%, 60%
HSV	124°, 46%, 78%
XYZ	29.6450, 45.2499, 23.0912
YIQ	162.1010, -26.9510, -45.7270

Conversions

Conversions Part 2

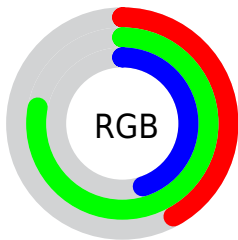
Format	Color
RYB	108, 193, 199
Decimal	7128946
CIELab	73.06, -44.78, 34.28
CIElCh	73, 56.391, 142.567
Yxy	45.2499, 0.3025, 0.4618
Android (android.graphics.Color)	4285319026 (0xFF6CC772)
YUV	162.1010, -23.7138, -47.4466
Hunter-Lab	67.2680, -39.0542, 26.7351

Details

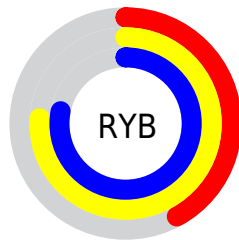
The XYZ color **29.6450, 45.2499, 23.0912** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **38.5428, 26.7183, 53.5792**, and the grayscale version is **34.5076, 36.3047, 39.5358**.

A 20% lighter version of the original color is **58.0449, 82.2025, 49.3666**, and **12.2639, 21.0205, 8.2615** is the 20% darker color. If you saturate the color by 10%, you get **26.5428, 43.7620, 17.9734**, and if you desaturate by 10%, it is **33.5169, 47.1123, 29.3692**.

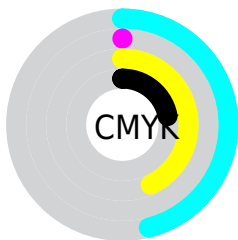
Distribution



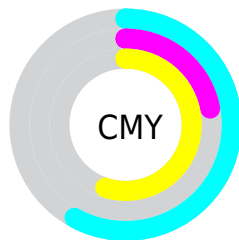
- Red (42%)
- Green (78%)
- Blue (45%)



- Red (42%)
- Yellow (76%)
- Blue (78%)



- Cyan (46%)
- Magenta (0%)
- Yellow (43%)
- Black (22%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.6450, 45.2499, 23.0912 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 29.6450, 45.2499, 23.0912 by changing the saturation by 10% instead.


 29.6450, 45.2499,
23.0912


 29.6450, 45.2499,
23.0912


292.1858,
367.7847, 281.3302


 19.7160, 31.6543,
14.4549

 58.4908, 83.0953,
49.4681


 12.2958, 21.0976,
8.2954


 78.1383, 108.1139,
68.0459

 7.0191, 13.1954,
4.1941


 101.7561,
137.7089, 90.7745

 3.5205, 7.5632,
1.7324

 129.7095,
172.2648, 118.0726

 1.4346, 3.8168,
0.3828

162.3637,
212.1659, 150.3587

 0.2807, 1.5716,
0.0000

200.0843,

 0.0000, 0.3383,

257.7967, 188.0512

0.0000

243.2366,
309.5415, 231.5689

■ 0.0000, 0.0000,
0.0000

■ 29.6450, 45.2499,
23.0912

■ 29.6450, 45.2499,
23.0912

■ 26.5428, 43.7620,
17.9734

■ 33.5169, 47.1123,
29.3692

■ 24.1556, 42.6182,
13.9421

■ 38.2016, 49.3662,
36.8693

■ 22.4272, 41.7923,
10.9195


■ 43.7430, 52.0342,
45.6524


■ 21.2913, 41.2520,
8.8167


■ 50.1808, 55.1357,
55.7748


■ 20.6666, 40.9579,
7.5289

■ 57.5525, 58.6887,
67.2891

 20.4978, 40.8780,
7.1949

 65.8932, 62.7104,
80.2453

 75.2363, 67.2168,
94.6907

 79.7143, 69.3287,
103.7881

Harmonies

Analogous

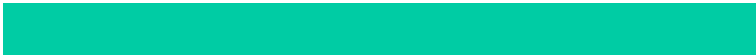
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



36.1370, 45.2499, 14.2201



29.6450, 45.2499, 23.0912



26.8183, 45.2499, 42.5751

Triad

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



29.6450, 45.2499, 23.0912



40.6029, 45.2499, 125.0805



62.9938, 45.2499, 31.2353

Complementary

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



29.6450, 45.2499, 23.0912



38.5428, 26.7183, 53.5792

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.



64.6748, 45.2499, 56.6311



29.6450, 45.2499, 23.0912



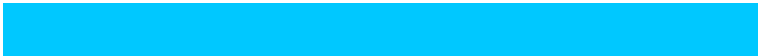
50.7005, 45.2499, 118.3199

Square

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



29.6450, 45.2499, 23.0912



32.4856, 45.2499, 106.1676



59.8838, 45.2499, 90.1794



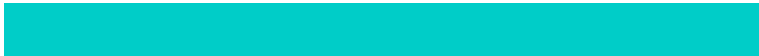
55.5893, 45.2499, 17.5129

Rectangle

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



29.6450, 45.2499, 23.0912



27.0341, 45.2499, 62.0496



59.8838, 45.2499, 90.1794



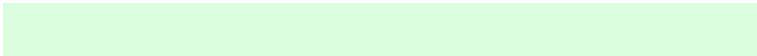
64.2886, 45.2499, 38.3769

Sweetspot

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



29.6461, 45.2518, 23.0922



78.2023, 91.8821, 82.4779



45.4959, 53.4608, 22.1086



16.2444, 19.4286, 16.8741



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.



29.6461, 45.2518, 23.0922



46.4354, 76.6031, 31.4071



32.7848, 46.5073, 39.6203



10.5254, 11.8990, 11.4508



13.1918, 26.2891, 4.6885



0.6347, 1.2488, 0.2752

Inverse Universe

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



38.5428, 26.7183, 53.5792



63.9386, 40.1030, 91.3590



34.3379, 25.0363, 31.4364



11.0517, 10.8041, 13.2558



20.8486, 10.0890, 30.7423



0.9965, 0.4814, 1.5048

Previews

White Background



This preview shows how the XYZ color 29.6450, 45.2499, 23.0912 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 29.6450, 45.2499, 23.0912 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

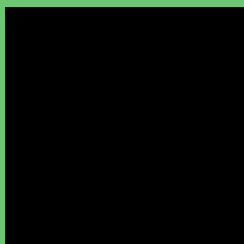
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.6450, 45.2499, 23.0912

Background



This preview shows how black text looks on a background with the XYZ color 29.6450, 45.2499, 23.0912.

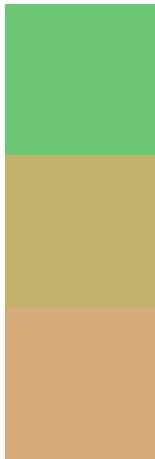


This preview shows how white text looks on a background with the XYZ color 29.6450, 45.2499,

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

29.6450, 45.2499, 23.0912

Protanopia

41.0276, 44.4835, 20.0595

Deuteranopia

45.4547, 44.6524, 24.3122



Tritanopia

37.8491, 45.2669, 63.8693

Trichromacy



Original Color

29.6450, 45.2499, 23.0912



Protanomaly

35.4235, 44.0085, 21.0955



Deuteranomaly

37.4731, 43.4697, 23.5550



Tritanomaly

34.1664, 45.0733, 45.4273

Monochromacy



Original Color

29.6450, 45.2499, 23.0912



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 29.6450, 45.2499, 23.0912 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, 199, 114)` looks like.

```
.text, #text, p{  
    color:rgb(108, 199, 114)  
}
```

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, 199, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 199, 114) }
```

Border

The CSS property to change the border of an element to XYZ 29.6450, 45.2499, 23.0912 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, 199, 114) }
```


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

```
.border{ border-color:rgb(108, 199, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 199, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 199, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 199, 114);  
box-shadow:4px 4px 4px 4px rgb(108, 199,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6450, 45.2499, 23.0912 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 199, 114) }
```

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

```
.background{ background-color: rgb(108,  
199, 114) }
```

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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