

Converting Colors

XYZ(29.5192, 42.6645, 23.5838)

Have a look what the booklet for
XYZ(29.5192, 42.6645, 23.5838)
contains.

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Color

**XYZ(29.6683, 42.9056,
23.5475)**

Conversions

Conversions Part 1

Format	Color
Hex	77C075
RGB	119, 192, 117
RGB Percent	47%, 75%, 46%
CMY	0.5333, 0.2470, 0.5412
CMYK	0.38, 0.00, 0.39, 0.25
HSL	118°, 37%, 61%
HSV	118°, 39%, 75%
XYZ	29.6683, 42.9056, 23.5475
YIQ	161.6230, -19.4330, -38.8010

Conversions

Conversions Part 2

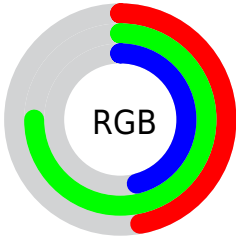
Format	Color
RYB	117, 192, 190
Decimal	7848053
CIELab	71.49, -37.94, 30.80
CIELCh	71, 48.868, 140.934
Yxy	42.9056, 0.3087, 0.4464
Android (android.graphics.Color)	4286038133 (0xFF77C075)
YUV	161.6230, -21.9991, -37.3804
Hunter-Lab	65.5024, -33.7803, 24.5374

Details

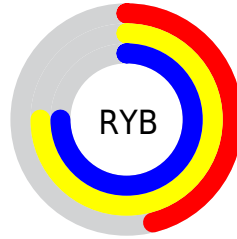
The XYZ color **29.6683, 42.9056, 23.5475** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **37.1128, 27.4768, 53.2189**, and the grayscale version is **34.2733, 36.0582, 39.2674**.

A 20% lighter version of the original color is **58.5869, 79.6523, 50.3168**, and **12.2816, 19.7060, 8.4665** is the 20% darker color. If you saturate the color by 10%, you get **26.3359, 41.3063, 18.0911**, and if you desaturate by 10%, it is **33.7388, 44.8612, 30.2489**.

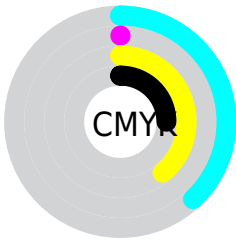
Distribution



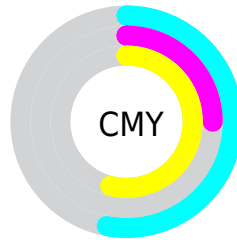
- Red (47%)
- Green (75%)
- Blue (46%)



- Red (46%)
- Yellow (75%)
- Blue (75%)



- Cyan (38%)
- Magenta (0%)
- Yellow (39%)
- Black (25%)



- Cyan (53%)
- Magenta (25%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.6683, 42.9056, 23.5475 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 29.6683, 42.9056, 23.5475 by changing the saturation by 10% instead.

■ 29.6683, 42.9056,
23.5475

■ 29.6683, 42.9056,
23.5475

292.2929,
358.2234, 283.7372

■ 19.7338, 29.8111,
14.7892

■ 58.5275, 79.5684,
50.2253

■ 12.3088, 19.6952,
8.5266

■ 78.1828, 103.9054,
68.9819

■ 7.0280, 12.1737,
4.3411

■ 101.8091,
132.7587, 91.9084

■ 3.5261, 6.8621,
1.8143

129.7718,
166.5127, 119.4232

■ 1.4377, 3.3760,
0.4374

162.4361,
205.5518, 151.9450

■ 0.2829, 1.3310,
0.0000

200.1675,

■ 0.0000, 0.1650,

250.2603, 189.8922

0.0000

243.3313,
301.0227, 233.6834

■ 0.0000, 0.0000,
0.0000

■ 29.6683, 42.9056,
23.5475

■ 29.6683, 42.9056,
23.5475

■ 26.3359, 41.3063,
18.0911

■ 33.7388, 44.8612,
30.2489

■ 23.6943, 40.0367,
13.8003

■ 38.5844, 47.1868,
38.2623

■ 21.6961, 39.0756,
10.5912


■ 44.2437, 49.9023,
47.6536


■ 20.2862, 38.3965,
8.3675


■ 50.7515, 53.0242,
58.4832

■ 19.4006, 37.9690,
7.0157


■ 58.1409, 56.5685,
70.8079

 18.9463, 37.7493,
6.3394

 66.4430, 60.5499,
84.6816

 18.9146, 37.7340,
6.2865

 75.6874, 64.9826,
100.1554

 78.1405, 66.1810,
103.2635

Harmonies

Analogous

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



35.3743, 42.9056, 15.8476



29.6683, 42.9056, 23.5475



27.0429, 42.9056, 39.9218

Triad

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



29.6683, 42.9056, 23.5475



38.3332, 42.9056, 107.4266



57.4520, 42.9056, 32.2997

Complementary

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



29.6683, 42.9056, 23.5475



37.1128, 27.4768, 53.2189

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.



58.5249, 42.9056, 54.2423



29.6683, 42.9056, 23.5475



46.7113, 42.9056, 103.2486

Square

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



29.6683, 42.9056, 23.5475



31.5831, 42.9056, 91.5798



54.3696, 42.9056, 81.5701



51.6097, 42.9056, 19.5882

Rectangle

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



29.6683, 42.9056, 23.5475



27.1112, 42.9056, 55.8693



54.3696, 42.9056, 81.5701



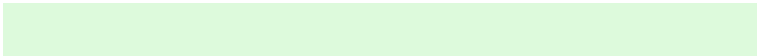
58.4107, 42.9056, 38.6230

Sweetspot

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



29.6694, 42.9074, 23.5485



76.7921, 88.7986, 80.7415



43.2564, 49.1037, 24.0283



16.1803, 18.9091, 16.8333



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



29.6694, 42.9074, 23.5485



48.4349, 75.1862, 33.9501



31.8546, 43.7501, 36.4727



9.9687, 11.2713, 10.7121



12.7374, 25.3952, 4.2304



0.5591, 1.1018, 0.1832

Inverse Universe

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



37.1128, 27.4768, 53.2189



63.8282, 43.2522, 95.3447



34.1868, 26.3644, 35.1866



10.4699, 10.2334, 12.7082



20.1839, 9.6656, 34.3585



0.8806, 0.4220, 1.4849

Previews

White Background



This preview shows how the XYZ color 29.6683, 42.9056, 23.5475 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 29.6683, 42.9056, 23.5475 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

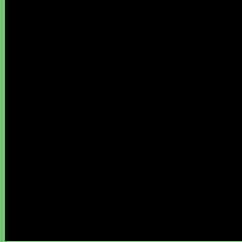
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.6683, 42.9056, 23.5475

Background



This preview shows how black text looks on a background with the XYZ color 29.6683, 42.9056, 23.5475.



This preview shows how white text looks on a background with the XYZ color 29.6683, 42.9056,

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

29.6683, 42.9056, 23.5475

Protanopia

39.1857, 42.3450, 20.8600

Deuteranopia

43.1260, 42.3329, 24.6370



Tritanopia

36.6375, 42.5554, 59.1063

Trichromacy



Original Color

29.6683, 42.9056, 23.5475



Protanomaly

34.8144, 42.1325, 21.9203



Deuteranomaly

36.6557, 41.5451, 24.1762



Tritanomaly

33.6800, 42.6121, 43.4956

Monochromacy



Original Color

29.6683, 42.9056, 23.5475



Achromatopsia

34.3422, 36.1307, 39.3463



Achromatomaly

31.9859, 38.0735, 32.8572

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6683, 42.9056, 23.5475 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(119, 192, 117)` looks like.

```
.text, #text, p{  
    color:rgb(119, 192, 117)  
}
```

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(119, 192, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 192, 117) }
```

Border

The CSS property to change the border of an element to XYZ 29.6683, 42.9056, 23.5475 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(119, 192, 117) }
```


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

```
.border{ border-color:rgb(119, 192, 117) }
```

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

Here you see how a box with a 4 pixel rgb(119, 192, 117) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 192, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 192, 117);  
box-shadow:4px 4px 4px 4px rgb(119, 192,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6683, 42.9056, 23.5475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 192, 117) }
```

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

```
.background{ background-color: rgb(119,  
192, 117) }
```

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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