

Converting Colors

XYZ(30.9123, 45.6190, 20.5407)

Have a look what the booklet for
XYZ(30.9123, 45.6190, 20.5407)
contains.

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Color

**XYZ(30.9123, 45.6190,
20.5407)**

Conversions

Conversions Part 1

Format	Color
Hex	7BC669
RGB	123, 198, 105
RGB Percent	48%, 78%, 41%
CMY	0.5176, 0.2235, 0.5882
CMYK	0.38, 0.00, 0.47, 0.22
HSL	108°, 45%, 59%
HSV	108°, 47%, 78%
XYZ	30.9123, 45.6190, 20.5407
YIQ	164.9730, -14.8470, -44.8230

Conversions

Conversions Part 2

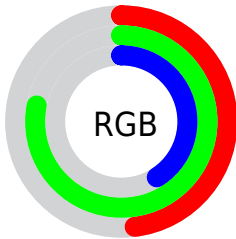
Format	Color
RYB	105, 198, 180
Decimal	8111721
CIELab	73.30, -41.05, 39.26
CIElCh	73, 56.803, 136.283
Yxy	45.6190, 0.3184, 0.4700
Android (android.graphics.Color)	4286301801 (0xFF7BC669)
YUV	164.9730, -29.5667, -36.8103
Hunter-Lab	67.5418, -36.5030, 29.2481

Details

The XYZ color **30.9123, 45.6190, 20.5407** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **34.0690, 23.8850, 56.2431**, and the grayscale version is **35.8947, 37.7640, 41.1250**.

A 20% lighter version of the original color is **60.5220, 83.5723, 45.2890**, and **13.0467, 21.4513, 7.0673** is the 20% darker color. If you saturate the color by 10%, you get **27.9100, 44.1769, 15.6925**, and if you desaturate by 10%, it is **34.5264, 47.3519, 26.6562**.

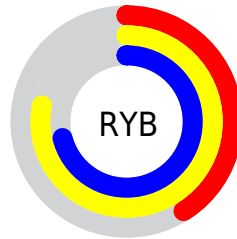
Distribution



Red (48%)

Green (78%)

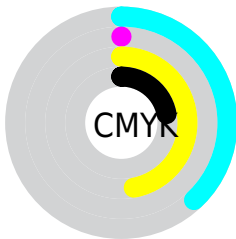
Blue (41%)



Red (41%)

Yellow (78%)

Blue (71%)

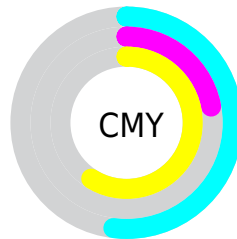


Cyan (38%)

Magenta (0%)

Yellow (47%)

Black (22%)



Cyan (52%)

Magenta (22%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.9123, 45.6190, 20.5407 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 30.9123, 45.6190, 20.5407 by changing the saturation by 10% instead.

■ 30.9123, 45.6190,
20.5407

■ 30.9123, 45.6190,
20.5407

297.9682,
369.2748, 267.5278

■ 20.6836, 31.9453,
12.6007

■ 60.4788, 83.6485,
45.1927

■ 13.0040, 21.3197,
7.0267

■ 80.5472, 108.7731,
62.7418

■ 7.5083, 13.3579,
3.4001

■ 104.6262,
138.4834, 84.3310

■ 3.8311, 7.6755,
1.3024

■ 133.0813,
173.1638, 110.3789

■ 1.6071, 3.8880,
0.0637

166.2776,
213.1988, 141.3040

■ 0.3970, 1.6111,
0.0000

204.5806,

■ 0.0000, 0.3651,

258.9727, 177.5248

0.0000

248.3557,
310.8699, 219.4599

■ 0.0000, 0.0000,
0.0000

■ 30.9123, 45.6190,
20.5407

■ 30.9123, 45.6190,
20.5407

■ 27.9100, 44.1769,
15.6925

■ 34.5264, 47.3519,
26.6562

■ 25.4815, 43.0037,
12.0198

■ 38.7809, 49.3845,
34.1162

■ 23.5894, 42.0838,
9.4235


■ 43.7065, 51.7323,
42.9952


■ 22.1904, 41.3973,
7.7866


■ 49.3310, 54.4082,
53.3615


■ 21.2308, 40.9201,
6.9517

■ 55.6805, 57.4243,
65.2789

 21.0061, 40.8081,
6.7696

 62.7798, 60.7920,
78.8075

 70.6526, 64.5224,
94.0043

 77.9381, 68.0725,
103.6393

 79.4850, 68.8699,
103.7117

Harmonies

Analogous

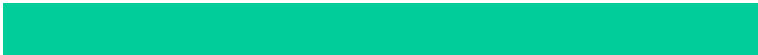
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



38.1969, 45.6190, 13.3817



30.9123, 45.6190, 20.5407



27.2564, 45.6190, 37.7416

Triad

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



30.9123, 45.6190, 20.5407



38.9648, 45.6190, 124.5108



64.5196, 45.6190, 35.7965

Complementary

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



30.9123, 45.6190, 20.5407



34.0690, 23.8850, 56.2431

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.



64.8100, 45.6190, 63.8822



30.9123, 45.6190, 20.5407



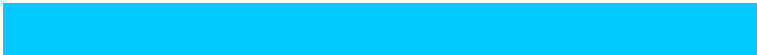
48.9675, 45.6190, 123.3390

Square

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



30.9123, 45.6190, 20.5407



31.3998, 45.6190, 100.9442



58.7664, 45.6190, 98.1777



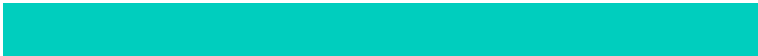
58.0254, 45.6190, 19.5898

Rectangle

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



30.9123, 45.6190, 20.5407



26.9404, 45.6190, 55.9338



58.7664, 45.6190, 98.1777



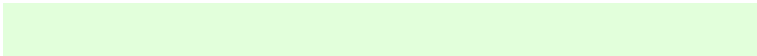
65.3767, 45.6190, 43.8947

Sweetspot

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



30.9134, 45.6209, 20.5417



80.0153, 92.8528, 80.9302



42.0408, 45.4285, 19.9181



16.6794, 19.6615, 16.5039



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.



30.9134, 45.6209, 20.5417



49.4834, 78.2555, 27.8845



30.2479, 45.0841, 29.2630



10.6859, 11.9850, 11.3129



13.7156, 26.5659, 4.4049



0.7083, 1.2883, 0.2113

Inverse Universe

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



34.0690, 23.8850, 56.2431



55.6598, 35.2427, 98.4767



35.6071, 25.0162, 41.0335



10.8742, 10.7089, 13.4114



16.0846, 7.5262, 35.3493



0.8147, 0.3837, 1.6763

Previews

White Background



This preview shows how the XYZ color 30.9123, 45.6190, 20.5407 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 30.9123, 45.6190, 20.5407 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 30.9123, 45.6190, 20.5407

Background



This preview shows how black text looks on a background with the XYZ color 30.9123, 45.6190, 20.5407.



This preview shows how white text looks on a background with the XYZ color 30.9123, 45.6190,

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

30.9123, 45.6190, 20.5407

Protanopia

41.3507, 44.9924, 18.0603

Deuteranopia

45.8064, 44.8946, 21.5805



Tritanopia

39.2462, 45.3804, 62.5679

Trichromacy



Original Color

30.9123, 45.6190, 20.5407



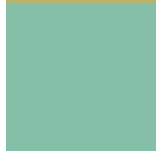
Protanomaly

36.4854, 44.6034, 18.9983



Deuteranomaly

38.5756, 44.0970, 20.9464



Tritanomaly

35.4374, 45.1200, 43.4005

Monochromacy



Original Color

30.9123, 45.6190, 20.5407



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

33.2577, 39.9115, 31.9374

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.9123, 45.6190, 20.5407 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, 198, 105)` looks like.

```
.text, #text, p{  
    color:rgb(123, 198, 105)  
}
```

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, 198, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 198, 105) }
```

Border

The CSS property to change the border of an element to XYZ 30.9123, 45.6190, 20.5407 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, 198, 105) }
```


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

```
.border{ border-color:rgb(123, 198, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 198, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 198, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 198, 105);  
box-shadow:4px 4px 4px 4px rgb(123, 198,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 30.9123, 45.6190, 20.5407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 198, 105) }
```

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

```
.background{ background-color: rgb(123,  
198, 105) }
```

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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