

Converting Colors

XYZ(30.6203, 48.0308, 17.5290)

Have a look what the booklet for
XYZ(30.6203, 48.0308, 17.5290)
contains.

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Color

**XYZ(30.5297, 47.9287,
17.5396)**

Conversions

Conversions Part 1

Format	Color
Hex	71CD5B
RGB	113, 205, 91
RGB Percent	44%, 80%, 36%
CMY	0.5569, 0.1961, 0.6431
CMYK	0.45, 0.00, 0.56, 0.20
HSL	108°, 53%, 58%
HSV	108°, 56%, 80%
XYZ	30.5297, 47.9287, 17.5396
YIQ	164.4960, -18.2380, -54.9580

Conversions

Conversions Part 2

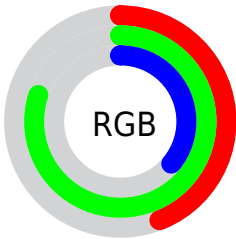
Format	Color
RYB	91, 205, 183
Decimal	7458139
CIELab	74.78, -48.87, 47.70
CIELCh	75, 68.286, 135.696
Yxy	47.9287, 0.3180, 0.4993
Android (android.graphics.Color)	4285648219 (0xFF71CD5B)
YUV	164.4960, -36.2335, -45.1620
Hunter-Lab	69.2306, -42.4375, 33.4402

Details

The XYZ color **30.5297, 47.9287, 17.5396** is a dark color, and the websafe version is hex **66CC66**. The color can be described as middle muted chartreuse. A complement of this color would be **34.2914, 21.9588, 60.1913**, and the grayscale version is **35.6980, 37.5571, 40.8997**.

A 20% lighter version of the original color is **57.3716, 82.0797, 39.2047**, and **12.7939, 22.7434, 5.6351** is the 20% darker color. If you saturate the color by 10%, you get **27.8257, 46.6248, 13.4108**, and if you desaturate by 10%, it is **33.8656, 49.5334, 22.9607**.

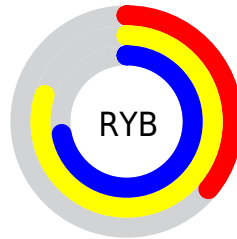
Distribution



Red (44%)

Green (80%)

Blue (36%)



Red (36%)

Yellow (80%)

Blue (72%)

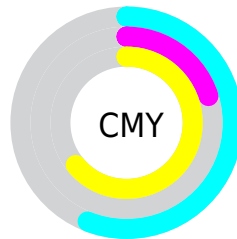


Cyan (45%)

Magenta (0%)

Yellow (56%)

Black (20%)



Cyan (56%)

Magenta (20%)

Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.5297, 47.9287, 17.5396 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 30.5297, 47.9287, 17.5396 by changing the saturation by 10% instead.

■ 30.5297, 47.9287,
17.5396

■ 30.5297, 47.9287,
17.5396

296.2315,
378.5094, 250.4114

■ 20.3911, 33.7704,
10.4539

■ 59.8798, 87.0982,
40.0545

■ 12.7895, 22.7173,
5.5914

■ 79.8219, 112.8783,
56.3209

■ 7.3598, 14.3849,
2.5335

■ 103.7626,
143.3011, 76.4845

■ 3.7364, 8.3889,
0.8579

■ 132.0671,
178.7509, 100.9640

■ 1.5541, 4.3448,
0.0000

165.1010,
219.6123, 130.1779

■ 0.3622, 1.8682,
0.0000

203.2294,

■ 0.0000, 0.5292,

266.2696, 164.5448

0.0000

246.8178,
319.1072, 204.4831

■ 0.0000, 0.0000,
0.0000

■ 30.5297, 47.9287,
17.5396

■ 30.5297, 47.9287,
17.5396

■ 27.8257, 46.6248,
13.4108

■ 33.8656, 49.5334,
22.9607

■ 25.7088, 45.5965,
10.4639

■ 37.8675, 51.4499,
29.7662

■ 24.1337, 44.8247,
8.5753

■ 42.5707, 53.6962,
38.0435

■ 23.0457, 44.2844,
7.5916

■ 48.0075, 56.2870,
47.8718

■ 22.6902, 44.1069,
7.3176

■ 54.2076, 59.2363,
59.3248

■ 61.1996, 62.5570,
72.4713

■ 69.0100, 66.2616,
87.3762

■ 77.6636, 70.3616,
104.0956

■ 81.1223, 72.1446,
104.2574

Harmonies

Analogous

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



39.4024, 47.9287, 10.1814



30.5297, 47.9287, 17.5396



26.1322, 47.9287, 37.0644

Triad

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



30.5297, 47.9287, 17.5396



39.9128, 47.9287, 150.2965



72.5887, 47.9287, 35.8028

Complementary

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



30.5297, 47.9287, 17.5396



34.2914, 21.9588, 60.1913

Split Complementary

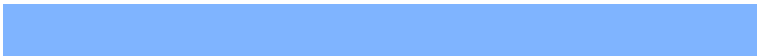
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



72.7935, 47.9287, 70.9461



30.5297, 47.9287, 17.5396



52.3164, 47.9287, 149.4287

Square

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



30.5297, 47.9287, 17.5396



30.8446, 47.9287, 117.9179



64.8431, 47.9287, 115.9086



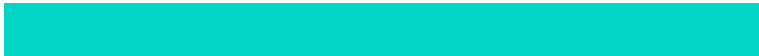
64.3260, 47.9287, 16.9784

Rectangle

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



30.5297, 47.9287, 17.5396



25.7054, 47.9287, 59.2633



64.8431, 47.9287, 115.9086



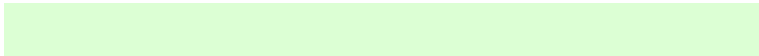
73.6464, 47.9287, 45.6962

Sweetspot

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



30.5309, 47.9307, 17.5407



77.1192, 91.4737, 75.6477



43.8362, 47.2746, 16.7127



16.1062, 19.3884, 15.4638



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.



30.5309, 47.9307, 17.5407



44.7179, 75.9524, 20.7218



29.8617, 47.3748, 27.0406



11.2668, 12.6394, 11.9253



14.1859, 27.4884, 4.5581



0.7935, 1.4499, 0.2380

Inverse Universe

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



34.2914, 21.9588, 60.1913



51.3665, 29.1189, 97.5209



36.2513, 23.3952, 41.0352



11.4672, 11.2901, 14.1452



16.6545, 7.7933, 36.5827



0.9150, 0.4308, 1.8899

Previews

White Background



This preview shows how the XYZ color 30.5297, 47.9287, 17.5396 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 30.5297, 47.9287, 17.5396 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

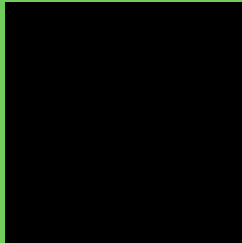
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.5297, 47.9287, 17.5396

Background



This preview shows how black text looks on a background with the XYZ color 30.5297, 47.9287, 17.5396.



This preview shows how white text looks on a background with the XYZ color 30.5297, 47.9287,

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

30.5297, 47.9287, 17.5396

Protanopia

43.1623, 47.2036, 15.2238

Deuteranopia

48.1287, 47.0202, 18.3435



Tritanopia

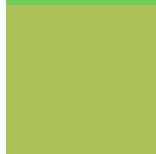
40.4468, 47.8449, 66.7777

Trichromacy



Original Color

30.5297, 47.9287, 17.5396



Protanomaly

36.9287, 46.4958, 16.0451



Deuteranomaly

39.2274, 45.7328, 17.8261



Tritanomaly

35.5102, 47.1611, 42.8287

Monochromacy



Original Color

30.5297, 47.9287, 17.5396



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

32.3125, 40.0661, 29.6974

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.5297, 47.9287, 17.5396 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(113, 205, 91)` looks like.

```
.text, #text, p{  
    color:rgb(113, 205, 91)  
}
```

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(113, 205, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 205, 91) }
```

Border

The CSS property to change the border of an element to XYZ 30.5297, 47.9287, 17.5396 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(113, 205, 91) }
```


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

```
.border{ border-color:rgb(113, 205, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 205, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 205, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 205, 91);  
box-shadow:4px 4px 4px 4px rgb(113, 205,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 30.5297, 47.9287, 17.5396 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 205, 91) }
```

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

```
.background{ background-color: rgb(113,  
205, 91) }
```

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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