

Converting Colors

XYZ(46.1813, 57.9955, 30.0762)

Have a look what the booklet for
XYZ(46.1813, 57.9955, 30.0762)
contains.

XYZ(46.2134, 57.9305, 30.2187)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(46.2134, 57.9305,
30.2187)**

Conversions

Conversions Part 1

Format	Color
Hex	B4D383
RGB	180, 211, 131
RGB Percent	71%, 83%, 51%
CMY	0.2941, 0.1725, 0.4863
CMYK	0.15, 0.00, 0.38, 0.17
HSL	83°, 48%, 67%
HSV	83°, 38%, 83%
XYZ	46.2134, 57.9305, 30.2187
YIQ	192.6110, 7.2040, -31.4520

Conversions

Conversions Part 2

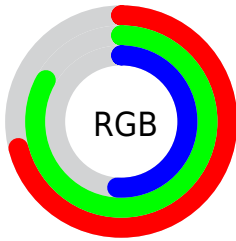
Format	Color
RYB	131, 211, 162
Decimal	11850627
CIELab	80.70, -23.64, 36.27
CIELCh	81, 43.292, 123.099
Yxy	57.9305, 0.3439, 0.4312
Android (android.graphics.Color)	4290040707 (0xFFB4D383)
YUV	192.6110, -30.3742, -11.0598
Hunter-Lab	76.1121, -24.8153, 29.7386

Details

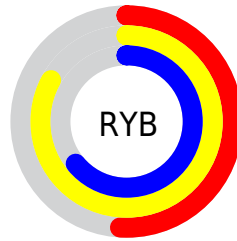
The XYZ color **46.2134, 57.9305, 30.2187** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **34.7767, 28.6187, 65.3222**, and the grayscale version is **50.6311, 53.2678, 58.0087**.

A 20% lighter version of the original color is **79.4420, 93.0273, 59.6680**, and **21.9406, 28.7917, 11.9904** is the 20% darker color. If you saturate the color by 10%, you get **43.0790, 56.4652, 23.3522**, and if you desaturate by 10%, it is **49.7543, 59.5753, 38.6267**.

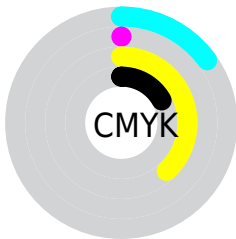
Distribution



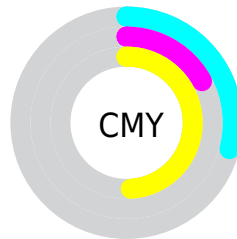
- Red (71%)
- Green (83%)
- Blue (51%)



- Red (51%)
- Yellow (83%)
- Blue (64%)



- Cyan (15%)
- Magenta (0%)
- Yellow (38%)
- Black (17%)



- Cyan (29%)
- Magenta (17%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.2134, 57.9305, 30.2187 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 46.2134, 57.9305, 30.2187 by changing the saturation by 10% instead.

■ 46.2134, 57.9305,
30.2187

■ 46.2134, 57.9305,
30.2187

362.3675,
416.9269, 317.1615

■ 32.6196, 41.7528,
19.7512

■ 83.7642, 101.8216,
61.0730

■ 21.9930, 28.9078,
12.0320

■ 108.4519,
130.3039, 82.2968

■ 13.9683, 19.0111,
6.6427

■ 137.5682,
163.6564, 107.9431

■ 8.1802, 11.6783,
3.1646

171.4786,
202.2635, 138.4305

■ 4.2632, 6.5250,
1.1793

210.5484,
246.5098, 174.1775

■ 1.8521, 3.1669,
0.0000

255.1429,

■ 0.5488, 1.2195,

296.7795, 215.6027

0.0000

305.6275,
353.4571, 263.1245

■ 0.0000, 0.0775,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 46.2134, 57.9305,
30.2187

■ 46.2134, 57.9305,
30.2187

■ 43.0790, 56.4652,
23.3522

■ 49.7543, 59.5753,
38.6267

■ 40.3271, 55.1638,
17.9297

■ 53.7154, 61.3994,
48.6585

■ 37.9374, 54.0197,
13.8484

■ 58.1153, 63.4124,
60.3948

■ 35.8854, 53.0230,
10.9903

■ 62.9697, 65.6208,
73.9098

■ 34.1428, 52.1621,
9.2170

■ 68.2937, 68.0309,
89.2737

■ 32.6698, 51.4208,
8.3297

■ 73.6792, 70.4796,
104.3283

■ 32.3839, 51.2762,
8.1905

■ 76.3513, 71.8571,
104.4534

■ 79.1481, 73.2989,
104.5843

■ 82.0710, 74.8057,
104.7211

Harmonies

Analogous

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



54.1388, 57.9305, 25.6344



46.2134, 57.9305, 30.2187



41.1343, 57.9305, 43.3546

Triad

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



46.2134, 57.9305, 30.2187



47.6577, 57.9305, 117.8256



74.0312, 57.9305, 60.4571

Complementary

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



46.2134, 57.9305, 30.2187



34.7767, 28.6187, 65.3222

Split Complementary

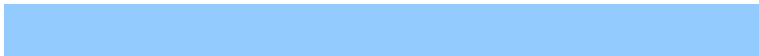
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



71.8225, 57.9305, 88.0220



46.2134, 57.9305, 30.2187



55.9940, 57.9305, 125.9615

Square

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



46.2134, 57.9305, 30.2187



41.9028, 57.9305, 93.8938



64.9718, 57.9305, 113.8421



70.7208, 57.9305, 39.8689

Rectangle

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



46.2134, 57.9305, 30.2187



39.7246, 57.9305, 57.3550



64.9718, 57.9305, 113.8421



73.9104, 57.9305, 69.1663

Sweetspot

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



46.2148, 57.9331, 30.2199



86.9714, 96.3195, 86.6445



43.8245, 41.2129, 27.1186



18.4151, 20.5247, 18.0084



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.



46.2148, 57.9331, 30.2199



67.2414, 87.2003, 38.1951



38.2643, 53.8344, 29.8479



12.3413, 13.5594, 12.5788



19.6604, 31.0043, 4.9482



1.1867, 1.7786, 0.2808

Inverse Universe

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



34.7767, 28.6187, 65.3222



47.4049, 36.3289, 99.1214



44.1433, 33.4473, 65.7606



11.5907, 11.6378, 14.8791



9.2907, 3.9698, 37.4691



0.6072, 0.2672, 2.0991

Previews

White Background



This preview shows how the XYZ color 46.2134, 57.9305, 30.2187 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 46.2134, 57.9305, 30.2187 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 46.2134, 57.9305, 30.2187

Background



This preview shows how black text looks on a background with the XYZ color 46.2134, 57.9305, 30.2187.



This preview shows how white text looks on a background with the XYZ color 46.2134, 57.9305,

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

46.2134, 57.9305, 30.2187

Protanopia

53.3985, 57.7463, 28.4104

Deuteranopia

58.6006, 57.3616, 30.9050



Tritanopia

55.1493, 57.9895, 73.9321

Trichromacy



Original Color

46.2134, 57.9305, 30.2187

Protanomaly

50.3910, 57.5816, 28.8805

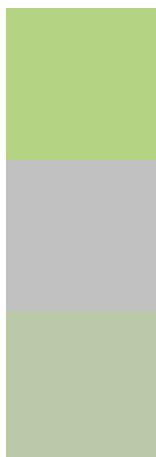
Deuteranomaly

53.4106, 57.0148, 30.7442

Tritanomaly

51.4333, 57.8992, 54.9192

Monochromacy



Original Color

46.2134, 57.9305, 30.2187

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

48.6490, 54.9022, 46.0633

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.2134, 57.9305, 30.2187 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(180, 211, 131)` looks like.

```
.text, #text, p{  
    color:rgb(180, 211, 131)  
}
```

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(180, 211, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 211, 131) }
```

Border

The CSS property to change the border of an element to XYZ 46.2134, 57.9305, 30.2187 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(180, 211, 131) }
```


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

```
.border{ border-color:rgb(180, 211, 131) }
```

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

Here you see how a box with a 4 pixel rgb(180, 211, 131) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 211, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 211, 131);  
box-shadow:4px 4px 4px 4px rgb(180, 211,  
131) }
```

Background

The CSS property to change the background color of an element to XYZ 46.2134, 57.9305, 30.2187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 211, 131) }
```

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

```
.background{ background-color: rgb(180,  
211, 131) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor