

Converting Colors

XYZ(46.3296, 67.9304, 54.9649)

Have a look what the booklet for
XYZ(46.3296, 67.9304, 54.9649)
contains.

XYZ(46.3354, 67.8677, 54.9136)	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(46.3354, 67.8677,
54.9136)**

Conversions

Conversions Part 1

Format	Color
Hex	77EDB6
RGB	119, 237, 182
RGB Percent	47%, 93%, 71%
CMY	0.5333, 0.0706, 0.2863
CMYK	0.50, 0.00, 0.23, 0.07
HSL	152°, 77%, 70%
HSV	152°, 50%, 93%
XYZ	46.3354, 67.8677, 54.9136
YIQ	195.4480, -52.6730, -42.1210

Conversions

Conversions Part 2

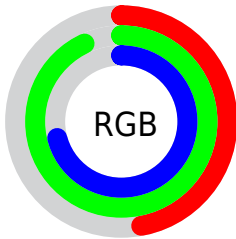
Format	Color
RYB	119, 196, 237
Decimal	7859638
CIELab	85.94, -45.88, 16.56
CIELCh	86, 48.780, 160.153
Yxy	67.8677, 0.2740, 0.4013
Android (android.graphics.Color)	4286049718 (0xFF77EDB6)
YUV	195.4480, -6.6299, -67.0449
Hunter-Lab	82.3819, -43.7715, 18.1461

Details

The XYZ color **46.3354, 67.8677, 54.9136** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **49.1641, 34.2557, 44.0676**, and the grayscale version is **52.2014, 54.9199, 59.8078**.

A 20% lighter version of the original color is **69.3241, 87.0402, 94.0356**, and **22.0286, 35.1270, 26.3880** is the 20% darker color. If you saturate the color by 10%, you get **42.3826, 65.9585, 49.0030**, and if you desaturate by 10%, it is **51.1929, 70.2365, 61.3397**.

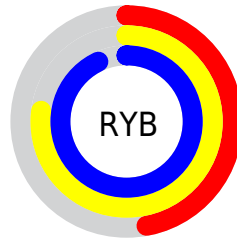
Distribution



Red (47%)

Green (93%)

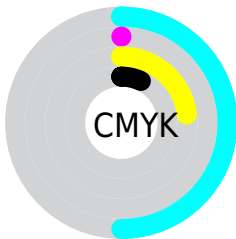
Blue (71%)



Red (47%)

Yellow (77%)

Blue (93%)

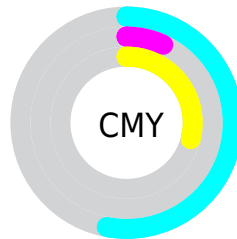


Cyan (50%)

Magenta (0%)

Yellow (23%)

Black (7%)



Cyan (53%)


Magenta (7%)


Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.3354, 67.8677, 54.9136 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 46.3354, 67.8677, 54.9136 by changing the saturation by 10% instead.


 46.3354, 67.8677,
54.9136


 46.3354, 67.8677,
54.9136


362.8488,
453.0271, 422.8570


 32.7163, 49.7901,
38.9344


 83.9455, 116.1629,
98.8842

 22.0674, 35.2467,
26.4013


 108.6673,
147.1492, 127.7128

 14.0233, 23.8529,
16.8956


 137.8206,
183.2073, 161.6615

 8.2187, 15.2246,
9.9989

171.7709,
224.7215, 201.1490

 4.2882, 8.9771,
5.2927

210.8835,
272.0761, 246.5937

 1.8664, 4.7263,
2.3582

255.5238,

 0.5572, 2.0876,

325.6557, 298.4143

0.7636

306.0571,
385.8446, 357.0292

■ 0.0000, 0.6576,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 46.3354, 67.8677,
54.9136

■ 46.3354, 67.8677,
54.9136

■ 42.3826, 65.9585,
49.0030

■ 51.1929, 70.2365,
61.3397

■ 39.2654, 64.4681,
43.5895


■ 57.0066, 73.0858,
68.2897


■ 36.9134, 63.3623,
38.6601


■ 63.8307, 76.4450,
75.7777


■ 35.2409, 62.5971,
34.1991


■ 71.7135, 80.3390,
83.8159

 34.1072, 62.1003,
30.1879

 80.7000, 84.7907,
92.4157

 34.0858, 62.0910,
30.1078

 88.5129, 88.6258,
101.4800

 89.5754, 89.0508,
107.0751

Harmonies

Analogous

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



51.6210, 67.8677, 36.1398



46.3354, 67.8677, 54.9136



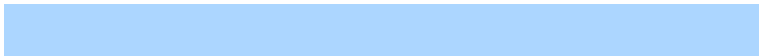
45.5858, 67.8677, 85.2813

Triad

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



46.3354, 67.8677, 54.9136



68.3678, 67.8677, 152.5125



82.3594, 67.8677, 40.8986

Complementary

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



46.3354, 67.8677, 54.9136



49.1641, 34.2557, 44.0676

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.



88.0484, 67.8677, 63.5727



46.3354, 67.8677, 54.9136



79.3748, 67.8677, 131.6046

Square

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



46.3354, 67.8677, 54.9136



57.4837, 67.8677, 148.1915



86.8972, 67.8677, 96.8159



72.0785, 67.8677, 29.8169

Rectangle

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



46.3354, 67.8677, 54.9136



47.6558, 67.8677, 109.3108



86.8972, 67.8677, 96.8159



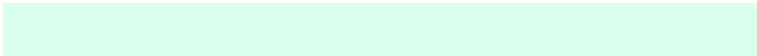
84.9231, 67.8677, 47.0991

Sweetspot

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



46.3372, 67.8704, 54.9152



79.6121, 92.3579, 93.8828



51.0865, 70.9095, 28.4479



16.6264, 19.5640, 19.6688



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.



46.3372, 67.8704, 54.9152



49.8582, 77.7923, 57.5619



52.0538, 68.3548, 90.5743



15.2045, 16.9966, 17.7597



18.6759, 33.9248, 16.7902



1.5150, 2.6833, 1.5740

Inverse Universe

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



49.1641, 34.2557, 44.0676



53.5648, 33.7921, 43.3947



45.3314, 33.4873, 21.5280



15.3576, 15.1709, 17.1686



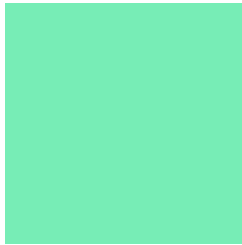
20.6833, 10.4760, 9.3997



1.6723, 0.8419, 0.9918

Previews

White Background



This preview shows how the XYZ color 46.3354, 67.8677, 54.9136 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 46.3354, 67.8677, 54.9136 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 46.3354, 67.8677, 54.9136

Background



This preview shows how black text looks on a background with the XYZ color 46.3354, 67.8677, 54.9136.

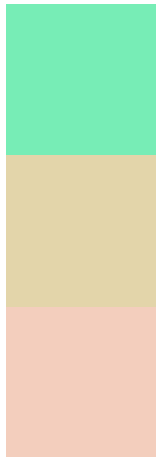


This preview shows how white text looks on a background with the XYZ color 46.3354, 67.8677, 54.9136.

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

46.3354, 67.8677, 54.9136

Protanopia

62.7285, 66.8217, 47.6219

Deuteranopia

68.2188, 66.8714, 57.4561



Tritanopia

54.8484, 67.5206, 98.1376

Trichromacy



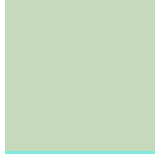
Original Color

46.3354, 67.8677, 54.9136



Protanomaly

54.5003, 65.9899, 49.9093



Deuteranomaly

56.9645, 65.1766, 56.0324



Tritanomaly

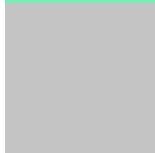
51.1011, 67.2254, 80.0945

Monochromacy



Original Color

46.3354, 67.8677, 54.9136



Achromatopsia

51.8711, 54.5724, 59.4294



Achromatomaly

48.2772, 58.0264, 57.3709

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.3354, 67.8677, 54.9136 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, 237, 182)` looks like.

```
.text, #text, p{  
    color:rgb(119, 237, 182)  
}
```

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, 237, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 237, 182) }
```

Border

The CSS property to change the border of an element to XYZ 46.3354, 67.8677, 54.9136 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, 237, 182) }
```


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

```
.border{ border-color:rgb(119, 237, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 237, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(119, 237, 182); -webkit-box-shadow:4px 4px 4px 4px rgb(119, 237, 182); box-shadow:4px 4px 4px 4px rgb(119, 237, 182) }
```

Background

The CSS property to change the background color of an element to XYZ 46.3354, 67.8677, 54.9136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 237, 182) }
```

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

```
.background{ background-color: rgb(119,  
237, 182) }
```

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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