

Converting Colors

XYZ(45.9116, 54.0462, 66.2563)

Have a look what the booklet for
XYZ(45.9116, 54.0462, 66.2563)
contains.

XYZ(46.0141, 54.1367, 66.4167)	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(46.0141, 54.1367,
66.4167)**

Conversions

Conversions Part 1

Format	Color
Hex	9BCBCE
RGB	155, 203, 206
RGB Percent	61%, 80%, 81%
CMY	0.3921, 0.2039, 0.1922
CMYK	0.25, 0.01, 0.00, 0.19
HSL	184°, 34%, 71%
HSV	184°, 25%, 81%
XYZ	46.0141, 54.1367, 66.4167
YIQ	188.9900, -29.5710, -9.2430

Conversions

Conversions Part 2

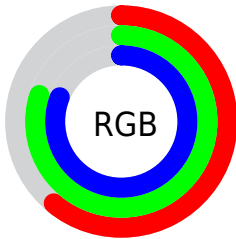
Format	Color
R _{YB}	155, 180, 206
Decimal	10210254
CIE _{Lab}	78.54, -14.90, -6.61
CIE _{LCh}	79, 16.304, 203.934
Yxy	54.1367, 0.2762, 0.3250
Android (android.graphics.Color)	4288400334 (0xFF9BCBCE)
YUV	188.9900, 8.3859, -29.8092
Hunter-Lab	73.5776, -17.1303, -2.0152

Details

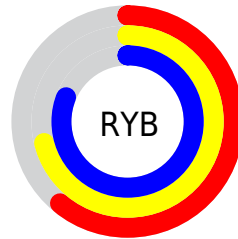
The XYZ color **46.0141, 54.1367, 66.4167** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **43.5974, 39.9423, 36.4233**, and the grayscale version is **48.3310, 50.8480, 55.3735**.

A 20% lighter version of the original color is **80.6740, 92.5889, 108.2272**, and **21.8944, 26.5867, 33.6835** is the 20% darker color. If you saturate the color by 10%, you get **42.1086, 51.7019, 66.1535**, and if you desaturate by 10%, it is **50.5995, 56.9280, 66.7147**.

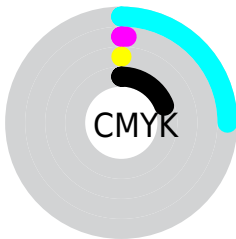
Distribution



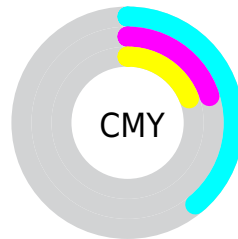
- Red (61%)
- Green (80%)
- Blue (81%)



- Red (61%)
- Yellow (71%)
- Blue (81%)



- Cyan (25%)
- Magenta (1%)
- Yellow (0%)
- Black (19%)





- Cyan (39%)
- Magenta (20%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.0141, 54.1367, 66.4167 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 46.0141, 54.1367, 66.4167 by changing the saturation by 10% instead.


 46.0141, 54.1367,
66.4167


 46.0141, 54.1367,
66.4167


361.5803,
402.6311, 466.3105

 32.4616, 38.7110,
48.1521


 83.4678, 96.2749,
115.7169

 21.8716, 26.5349,
33.5865


 108.0998,
123.7562, 147.5896

 13.8786, 17.2243,
22.3014


137.1556,
156.0248, 184.8355

 8.1174, 10.3945,
13.8781

171.0007,
193.4651, 227.8730

 4.2226, 5.6613,
7.8981

210.0003,
236.4615, 277.1207

 1.8288, 2.6402,
3.9430

254.5199,

 0.5350, 0.9469,

285.3983, 332.9972

1.5941

304.9248,
340.6601, 395.9209

■ 0.0000, 0.0000,
0.2866

■ 0.0000, 0.0000,
0.0000

■ 46.0141, 54.1367,
66.4167

■ 46.0141, 54.1367,
66.4167

■ 42.1086, 51.7019,
66.1535

■ 50.5995, 56.9280,
66.7147

■ 38.8440, 49.5994,
65.9197

■ 55.8917, 60.0857,
67.0453

■ 36.1845, 47.8122,
65.7149

■ 61.9222, 63.6274,
67.4110

■ 34.0893, 46.3192,
65.5372

■ 68.7191, 67.5674,
67.8133

■ 32.5120, 45.0965,
65.3843

■ 75.1953, 71.3455,
68.2012

■ 31.3993, 44.1165,
65.2538

■ 75.4936, 71.9421,
68.3006

■ 30.6859, 43.3456,
65.1426

■ 75.7942, 72.5432,
68.4008

■ 30.4090, 42.9928,
65.0891

■ 76.0970, 73.1488,
68.5018

■ 76.4021, 73.7590,
68.6035

Harmonies

Analogous

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



45.5548, 54.1367, 57.0962



46.0141, 54.1367, 66.4167



47.9043, 54.1367, 74.4310

Triad

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



46.0141, 54.1367, 66.4167



56.6110, 54.1367, 69.9842



52.1107, 54.1367, 43.0480

Complementary

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



46.0141, 54.1367, 66.4167



43.5974, 39.9423, 36.4233

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.



55.1776, 54.1367, 45.7724



46.0141, 54.1367, 66.4167



57.8445, 54.1367, 60.8346

Square

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



46.0141, 54.1367, 66.4167



54.0018, 54.1367, 76.6360



57.3094, 54.1367, 52.0570



48.9901, 54.1367, 44.2115

Rectangle

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



46.0141, 54.1367, 66.4167



49.7650, 54.1367, 77.6292



57.3094, 54.1367, 52.0570



53.1835, 54.1367, 43.5297

Sweetspot

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



46.0157, 54.1389, 66.4179



88.4514, 96.1028, 108.4956



41.7228, 53.5653, 40.2863



18.8165, 20.5012, 23.2153



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.



46.0157, 54.1389, 66.4179



70.8675, 85.4291, 107.3621



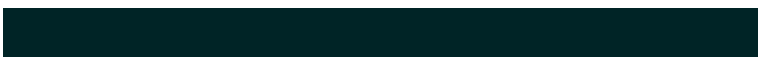
40.5696, 43.2468, 64.6026



11.4846, 12.6097, 14.3990



18.7499, 26.5238, 40.0877



0.9848, 1.4034, 2.0739

Inverse Universe

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



47.9557, 40.8775, 61.8651



74.5945, 60.2339, 98.5521



48.3148, 49.3770, 37.9957



11.6580, 11.3919, 13.9995



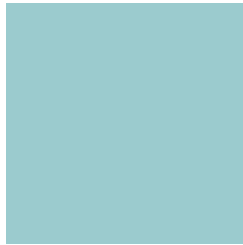
21.6750, 10.4806, 32.3369



1.1270, 0.5442, 1.7149

Previews

White Background



This preview shows how the XYZ color 46.0141, 54.1367, 66.4167 looks on a white background.

Color Contrast Check

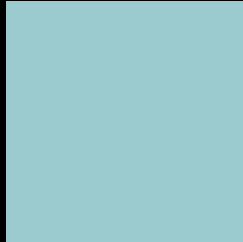
Large Text (above 18pt) WCAG AA × Fail

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 46.0141, 54.1367, 66.4167 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

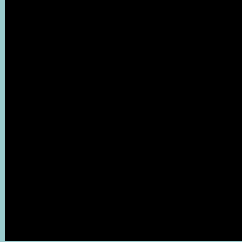
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.0141, 54.1367, 66.4167

Background



This preview shows how black text looks on a background with the XYZ color 46.0141, 54.1367, 66.4167.

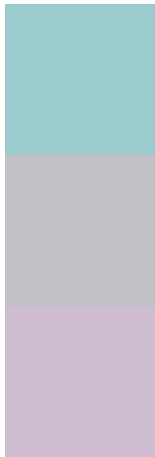


This preview shows how white text looks on a background with the XYZ color 46.0141, 54.1367,

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

46.0141, 54.1367, 66.4167

Protanopia

52.0010, 53.9122, 62.3089

Deuteranopia

54.9454, 53.6917, 67.7892



Tritanopia

47.3157, 53.9511, 73.5655

Trichromacy



Original Color

46.0141, 54.1367, 66.4167

Protanomaly

49.4493, 53.9001, 63.6746

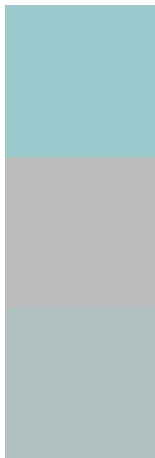
Deuteranomaly

50.9486, 53.2588, 67.2692

Tritanomaly

46.8411, 54.1131, 70.9269

Monochromacy



Original Color

46.0141, 54.1367, 66.4167

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

47.2736, 51.8708, 59.1502

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.0141, 54.1367, 66.4167 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(155, 203, 206)` looks like.

```
.text, #text, p{  
    color:rgb(155, 203, 206)  
}
```

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(155, 203, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 203, 206) }
```

Border

The CSS property to change the border of an element to XYZ 46.0141, 54.1367, 66.4167 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(155, 203, 206) }
```


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

```
.border{ border-color:rgb(155, 203, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 203, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 203, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 203, 206);  
box-shadow:4px 4px 4px 4px rgb(155, 203,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 46.0141, 54.1367, 66.4167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 203, 206) }
```

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

```
.background{ background-color: rgb(155,  
203, 206) }
```

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