

# Converting Colors

XYZ(46.0279, 60.1138, 64.4353)

Have a look what the booklet for  
XYZ(46.0279, 60.1138, 64.4353)  
contains.

<b>XYZ(46.0275, 60.1143, 64.4357)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(46.0275, 60.1143,  
64.4357)**

# Conversions

## Conversions Part 1

Format	Color
Hex	88DBC9
RGB	136, 219, 201
RGB Percent	53%, 86%, 79%
CMY	0.4667, 0.1412, 0.2118
CMYK	0.38, 0.00, 0.08, 0.14
HSL	167°, 54%, 70%
HSV	167°, 38%, 86%
XYZ	46.0275, 60.1143, 64.4357
YIQ	192.1310, -43.6900, -23.1940

# Conversions

## Conversions Part 2

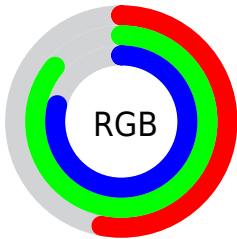
<b>Format</b>	<b>Color</b>
<b>RYB</b>	136, 183, 219
Decimal	8969161
CIELab	81.90, -29.34, 0.88
CIELCh	82, 29.356, 178.282
Yxy	60.1143, 0.2698, 0.3524
Android (android.graphics.Color)	4287159241 (0xFF88DBC9)
YUV	192.1310, 4.3724, -49.2269
Hunter-Lab	77.5334, -29.7174, 4.9992

# Details

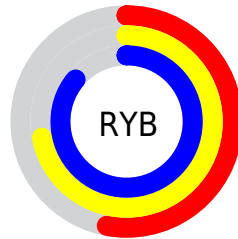
The XYZ color **46.0275, 60.1143, 64.4357** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **43.8524, 35.0032, 35.0192**, and the grayscale version is **50.1744, 52.7873, 57.4854**.

A 20% lighter version of the original color is **75.5482, 89.9465, 107.9873**, and **21.9353, 30.4068, 32.3168** is the 20% darker color. If you saturate the color by 10%, you get **42.2778, 58.2464, 61.3893**, and if you desaturate by 10%, it is **50.5246, 62.3686, 67.6099**.

# Distribution



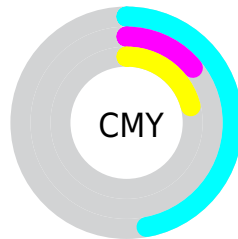
- Red (53%)
- Green (86%)
- Blue (79%)



- Red (53%)
- Yellow (72%)
- Blue (86%)



- Cyan (38%)
- Magenta (0%)
- Yellow (8%)
- Black (14%)




- Cyan (47%)
- Magenta (14%)
- Yellow (21%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 46.0275, 60.1143, 64.4357 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 46.0275, 60.1143, 64.4357 by changing the saturation by 10% instead.





 46.0275, 60.1143,  
64.4357


 46.0275, 60.1143,  
64.4357


361.6333,  
425.0189, 459.0119


 32.4722, 43.5108,  
46.5552


 83.4878, 104.9955,  
112.8437

 21.8797, 30.2861,  
32.3324

 108.1235,  
134.0419, 144.2082

 13.8847, 20.0558,  
21.3486


 137.1834,  
168.0047, 180.9046

 8.1217, 12.4356,  
13.1853

171.0328,  
207.2684, 223.3513

 4.2254, 7.0411,  
7.4240

210.0372,  
252.2172, 271.9668

 1.8304, 3.4878,  
3.6462

254.5618,

 0.5359, 1.3914,

303.2357, 327.1697

1.4334

304.9721,  
360.7081, 389.3786

■ 0.0000, 0.2104,  
0.1675

■ 0.0000, 0.0000,  
0.0000

■ 46.0275, 60.1143,  
64.4357

■ 46.0275, 60.1143,  
64.4357

■ 42.2778, 58.2464,  
61.3893

■ 50.5246, 62.3686,  
67.6099

■ 39.2257, 56.7345,  
58.4636

■ 55.8048, 65.0231,  
70.9105

■ 36.8232, 55.5557,  
55.6569

■ 61.9079, 68.0997,  
74.3414

■ 35.0142, 54.6807,  
52.9658

■ 68.8691, 71.6167,  
77.9050

■ 33.7324, 54.0757,  
50.3863

■ 76.7220, 75.5912,  
81.6037

■ 32.8848, 53.6926,  
47.9133

■ 80.7856, 77.6103,  
85.2191

■ 32.7313, 53.6246,  
47.4057

■ 81.4600, 77.8801,  
88.7707

■ 82.1528, 78.1572,  
92.4188

■ 82.8640, 78.4417,  
96.1639

# Harmonies

## Analogous

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



47.5819, 60.1143, 49.0917



46.0275, 60.1143, 64.4357



47.2662, 60.1143, 83.0049

# Triad

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



46.0275, 60.1143, 64.4357



62.9749, 60.1143, 100.3688



63.6380, 60.1143, 40.4902

# Complementary

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



46.0275, 60.1143, 64.4357



43.8524, 35.0032, 35.0192

# 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.



68.2941, 60.1143, 50.5702



46.0275, 60.1143, 64.4357



67.8922, 60.1143, 85.1000

# Square

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



46.0275, 60.1143, 64.4357



56.7801, 60.1143, 105.8668



69.9037, 60.1143, 66.4835



57.4951, 60.1143, 36.9094



# Rectangle

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



46.0275, 60.1143, 64.4357



49.5633, 60.1143, 94.3972



69.9037, 60.1143, 66.4835



65.4450, 60.1143, 43.1294

# Sweetspot

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



46.0292, 60.1167, 64.4371



84.5086, 94.6771, 103.3744



43.3654, 59.4480, 32.4827



17.8323, 20.1357, 21.9840



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

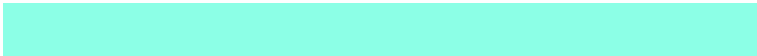


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



46.0292, 60.1167, 64.4371



60.9160, 82.8366, 87.7236



42.8774, 50.2228, 74.4546



13.3176, 14.7787, 16.1357



19.4495, 31.8124, 28.3300



1.2907, 2.0732, 1.9968



# Inverse Universe

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



43.8524, 35.0032, 35.0192



57.4588, 42.8110, 40.8983



45.9089, 41.3387, 28.8532



13.1711, 13.0975, 14.1621



17.6657, 9.0673, 2.6199



1.1768, 0.6003, 0.3397



# Previews

## White Background



This preview shows how the XYZ color 46.0275, 60.1143, 64.4357 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

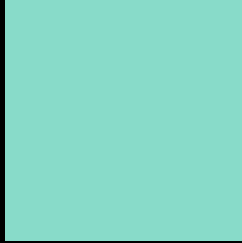
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 46.0275, 60.1143, 64.4357 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

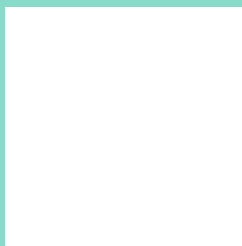
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 46.0275, 60.1143, 64.4357**

## **Background**



This preview shows how black text looks on a background with the XYZ color 46.0275, 60.1143, 64.4357.



This preview shows how white text looks on a background with the XYZ color 46.0275, 60.1143,



# 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

46.0275, 60.1143, 64.4357

### Protanopia

56.8190, 59.5580, 57.7914

### Deuteranopia

60.6993, 59.3082, 66.6410



## Tritanopia

50.1137, 59.8486, 85.2546

# Trichromacy



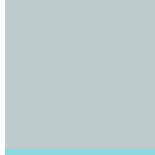
## Original Color

46.0275, 60.1143, 64.4357



## Protanomaly

51.6976, 58.9970, 60.2926



## Deuteranomaly

53.7272, 58.4925, 65.5852



## Tritanomaly

48.5915, 59.9949, 77.4257

# Monochromacy



## Original Color

46.0275, 60.1143, 64.4357



## Achromatopsia

50.1023, 52.7115, 57.4028



## Achromatomaly

47.9841, 54.9518, 59.7075

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 46.0275, 60.1143, 64.4357 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(136, 219, 201)` looks like.

```
.text, #text, p{  
    color:rgb(136, 219, 201)  
}
```

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(136, 219, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 219, 201) }
```

## Border

The CSS property to change the border of an element to XYZ 46.0275, 60.1143, 64.4357 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(136, 219, 201) }
```



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

```
.border{ border-color:rgb(136, 219, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 219, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 219, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 219, 201);  
box-shadow:4px 4px 4px 4px rgb(136, 219,  
201) }
```

# Background

The CSS property to change the background color of an element to XYZ 46.0275, 60.1143, 64.4357 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 219, 201) }
```

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

```
.background{ background-color: rgb(136,  
219, 201) }
```

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