

# Converting Colors

XYZ(41.1109, 60.7608, 46.1250)

Have a look what the booklet for  
XYZ(41.1109, 60.7608, 46.1250)  
contains.

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# Color

**XYZ(41.1108, 60.7601,  
46.1203)**

# Conversions

## Conversions Part 1

Format	Color
Hex	72E2A7
RGB	114, 226, 167
RGB Percent	45%, 89%, 65%
CMY	0.5529, 0.1137, 0.3451
CMYK	0.50, 0.00, 0.26, 0.11
HSL	148°, 66%, 67%
HSV	148°, 50%, 89%
XYZ	41.1108, 60.7601, 46.1203
YIQ	185.7860, -47.8130, -42.0930

# Conversions

## Conversions Part 2

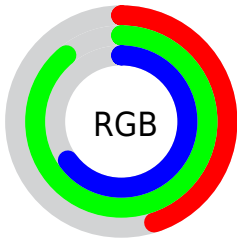
Format	Color
<a href="#">RYB</a>	<a href="#">114, 190, 226</a>
Decimal	<a href="#">7529127</a>
CIELab	<a href="#">82.25, -45.36, 19.19</a>
CIELCh	<a href="#">82, 49.253, 157.063</a>
Yxy	<a href="#">60.7601, 0.2778, 0.4106</a>
Android (android.graphics.Color)	<a href="#">4285719207</a> ( <a href="#">0xFF72E2A7</a> )
YUV	<a href="#">185.7860, -9.2615, -62.9563</a>
Hunter-Lab	<a href="#">77.9488, -42.2680, 19.4838</a>

# Details

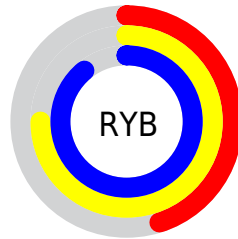
The XYZ color **41.1108, 60.7601, 46.1203** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **44.9261, 31.2218, 43.1959**, and the grayscale version is **46.6230, 49.0510, 53.4166**.

A 20% lighter version of the original color is **65.9581, 85.5646, 82.1465**, and **18.9374, 30.7441, 21.1558** is the 20% darker color. If you saturate the color by 10%, you get **37.4760, 59.0093, 40.4675**, and if you desaturate by 10%, it is **45.5763, 62.9307, 52.3437**.

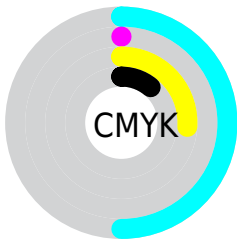
# Distribution



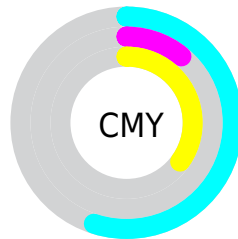
- Red (45%)
- Green (89%)
- Blue (65%)



- Red (45%)
- Yellow (75%)
- Blue (89%)



- Cyan (50%)
- Magenta (0%)
- Yellow (26%)
- Black (11%)




- Cyan (55%)
- Magenta (11%)
- Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.1108, 60.7601, 46.1203 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 41.1108, 60.7601, 46.1203 by changing the saturation by 10% instead.





 41.1108, 60.7601,  
46.1203


 41.1108, 60.7601,  
46.1203


341.8382,  
427.3938, 387.5837

 28.5937, 44.0316,  
31.9914


 76.1257, 105.9315,  
85.7352

 18.9164, 30.6953,  
21.0902


 99.3543, 135.1432,  
112.0583

 11.7136, 20.3670,  
12.9980

 126.8840,  
169.2847, 143.2832

 6.6197, 12.6621,  
7.2965

159.0803,  
208.7405, 179.8284

 3.2697, 7.1963,  
3.5670

196.3085,  
253.8949, 222.1125

 1.2979, 3.5851,  
1.3909

238.9340,

 0.1817, 1.4443,

305.1323, 270.5541

0.1346

287.3221,  
362.8372, 325.5717

■ 0.0000, 0.2490,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 41.1108, 60.7601,  
46.1203

■ 41.1108, 60.7601,  
46.1203

■ 37.4760, 59.0093,  
40.4675

■ 45.5763, 62.9307,  
52.3437

■ 34.6100, 57.6418,  
35.3641


■ 50.9193, 65.5400,  
59.1495


■ 32.4493, 56.6269,  
30.7938


■ 57.1885, 68.6145,  
66.5545


■ 30.9173, 55.9253,  
26.7374


■ 64.4278, 72.1765,  
74.5735

 29.8888, 55.4729,  
23.1728

 72.6778, 76.2467,  
83.2207

 29.8485, 55.4553,  
23.0258

 81.9772, 80.8447,  
92.5097

 85.7466, 82.5786,  
102.1443

 86.4875, 82.8749,  
106.0458

# Harmonies

## Analogous

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



46.4380, 60.7601, 29.9667



41.1108, 60.7601, 46.1203



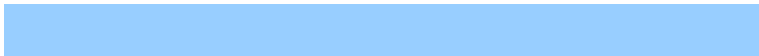
39.9732, 60.7601, 73.5100

# Triad

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



41.1108, 60.7601, 46.1203



60.2639, 60.7601, 141.5404



75.3677, 60.7601, 37.1165

# Complementary

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



41.1108, 60.7601, 46.1203



44.9261, 31.2218, 43.1959

# 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.



80.1440, 60.7601, 59.3122



41.1108, 60.7601, 46.1203



70.7658, 60.7601, 123.7157

# Square

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



41.1108, 60.7601, 46.1203



50.2486, 60.7601, 134.8019



78.3655, 60.7601, 91.2911



65.9645, 60.7601, 25.9733



# Rectangle

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



41.1108, 60.7601, 46.1203



41.6016, 60.7601, 96.0388



78.3655, 60.7601, 91.2911



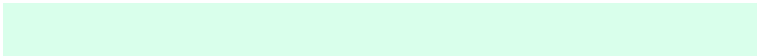
77.6164, 60.7601, 43.2224

# Sweetspot

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



41.1124, 60.7626, 46.1217



79.2747, 92.2229, 92.1063



47.6318, 64.5783, 25.8747



16.5453, 19.5316, 19.2416



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.



41.1124, 60.7626, 46.1217



49.3441, 77.6205, 53.3230



47.3583, 63.2609, 79.0121



13.7974, 15.4447, 15.9686



17.0869, 31.6596, 13.4468



1.2294, 2.2125, 1.1690



# Inverse Universe

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



44.9261, 31.2218, 43.1959



54.8773, 34.7243, 49.0512



40.6372, 29.5063, 20.6108



14.0074, 13.8206, 15.8091



19.8553, 10.0091, 11.1695

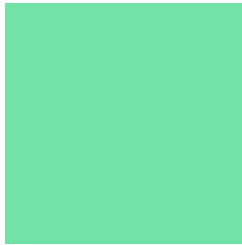


1.4214, 0.7118, 1.0121



# Previews

## White Background



This preview shows how the XYZ color 41.1108, 60.7601, 46.1203 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 41.1108, 60.7601, 46.1203 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

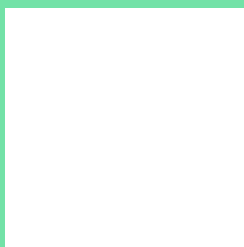
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 41.1108, 60.7601, 46.1203**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.1108, 60.7601, 46.1203.



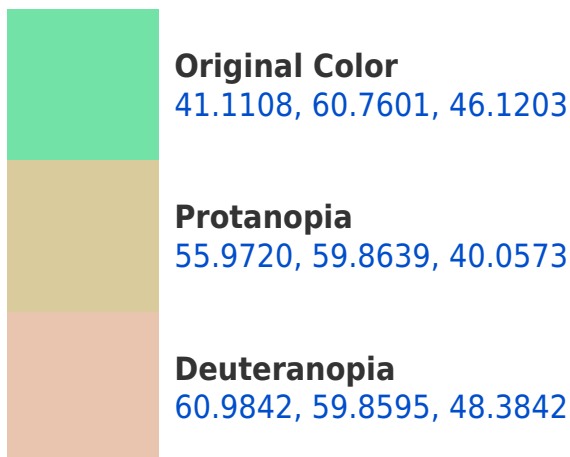
This preview shows how white text looks on a background with the XYZ color 41.1108, 60.7601,



# 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





## Tritanopia

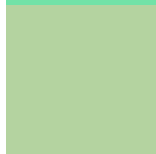
49.3240, 60.5294, 87.6810

# Trichromacy



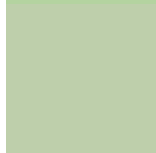
## Original Color

41.1108, 60.7601, 46.1203



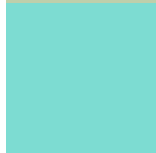
## Protanomaly

48.4618, 58.8299, 42.0588



## Deuteranomaly

50.8987, 58.5131, 47.1396



## Tritanomaly

45.6835, 60.1995, 70.1847

# Monochromacy



## Original Color

41.1108, 60.7601, 46.1203



## Achromatopsia

46.6715, 49.1021, 53.4722



## Achromatomaly

43.5205, 52.5015, 50.4879

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.1108, 60.7601, 46.1203 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(114, 226, 167)` looks like.

```
.text, #text, p{  
    color:rgb(114, 226, 167)  
}
```

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(114, 226, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 226, 167) }
```

## Border

The CSS property to change the border of an element to XYZ 41.1108, 60.7601, 46.1203 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(114, 226, 167) }
```



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

```
.border{ border-color:rgb(114, 226, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 226, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(114, 226, 167); -webkit-box-shadow:4px 4px 4px 4px rgb(114, 226, 167); box-shadow:4px 4px 4px 4px rgb(114, 226, 167) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.1108, 60.7601, 46.1203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 226, 167) }
```

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

```
.background{ background-color: rgb(114,  
226, 167) }
```

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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