

Converting Colors

XYZ(46.3325, 67.2031, 65.6083)

Have a look what the booklet for
XYZ(46.3325, 67.2031, 65.6083)
contains.

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Color

**XYZ(46.3638, 67.2112,
65.7878)**

Conversions

Conversions Part 1

Format	Color
Hex	69ECC9
RGB	105, 236, 201
RGB Percent	41%, 93%, 79%
CMY	0.5882, 0.0745, 0.2118
CMYK	0.56, 0.00, 0.15, 0.07
HSL	164°, 78%, 67%
HSV	164°, 56%, 93%
XYZ	46.3638, 67.2112, 65.7878
YIQ	192.8410, -66.8410, -38.6570

Conversions

Conversions Part 2

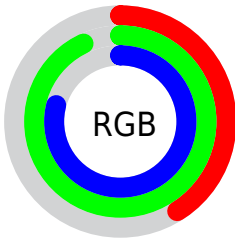
Format	Color
RYB	105, 181, 236
Decimal	6941897
CIELab	85.61, -44.38, 6.11
CIELCh	86, 44.799, 172.160
Yxy	67.2112, 0.2585, 0.3747
Android (android.graphics.Color)	4285131977 (0xFF69ECC9)
YUV	192.8410, 4.0224, -77.0366
Hunter-Lab	81.9824, -42.5216, 9.8097

Details

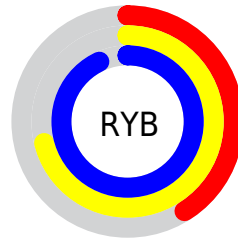
The XYZ color **46.3638, 67.2112, 65.7878** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **44.3796, 29.8313, 28.2325**, and the grayscale version is **50.6021, 53.2374, 57.9755**.

A 20% lighter version of the original color is **69.3270, 86.7393, 107.6962**, and **22.0138, 34.6701, 33.1355** is the 20% darker color. If you saturate the color by 10%, you get **43.2407, 65.6868, 61.8496**, and if you desaturate by 10%, it is **50.2901, 69.1495, 69.9256**.

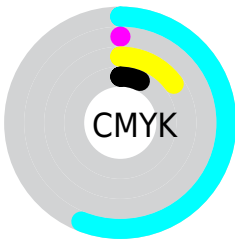
Distribution



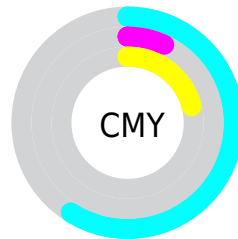
- Red (41%)
- Green (93%)
- Blue (79%)



- Red (41%)
- Yellow (71%)
- Blue (93%)



- Cyan (56%)
- Magenta (0%)
- Yellow (15%)
- Black (7%)





- Cyan (59%)
- Magenta (7%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.3638, 67.2112, 65.7878 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 46.3638, 67.2112, 65.7878 by changing the saturation by 10% instead.


 46.3638, 67.2112,
65.7878

 46.3638, 67.2112,
65.7878


362.9608,
450.6962, 464.0011


 32.7388, 49.2563,
47.6448


 83.9877, 115.2230,
114.8058

 22.0847, 34.8228,
33.1877


 108.7174,
146.0486, 146.5179

 14.0361, 23.5264,
21.9980


 137.8794,
181.9333, 183.5900

 8.2277, 14.9827,
13.6571

171.8390,
223.2615, 226.4408

 4.2940, 8.8072,
7.7465

210.9615,
270.4174, 275.4888

 1.8698, 4.6157,
3.8478

255.6125,

 0.5592, 2.0236,

323.7856, 331.1524

1.5422

306.1571,
383.7504, 393.8504

■ 0.0000, 0.6211,
0.2491

■ 0.0000, 0.0000,
0.0000

■ 46.3638, 67.2112,
65.7878

■ 46.3638, 67.2112,
65.7878

■ 43.2407, 65.6868,
61.8496

■ 50.2901, 69.1495,
69.9256

■ 40.8494, 64.5345,
58.1012


■ 55.0723, 71.5237,
74.2628


■ 39.1152, 63.7176,
54.5388


■ 60.7648, 74.3637,
78.8052


■ 37.9440, 63.1875,
51.1560


■ 67.4162, 77.6943,
83.5570


 37.5341, 63.0082,
49.6910

 75.0712, 81.5386,
88.5220

 83.7719, 85.9183,
93.7038

 87.7398, 87.8545,
98.8338

 88.7200, 88.2465,
103.9953

 89.2866, 88.4732,
106.9789

Harmonies

Analogous

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



49.6180, 67.2112, 43.8615



46.3638, 67.2112, 65.7878



47.3928, 67.2112, 96.4665

Triad

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



46.3638, 67.2112, 65.7878



71.5654, 67.2112, 138.4619



76.6781, 67.2112, 37.1959

Complementary

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



46.3638, 67.2112, 65.7878



44.3796, 29.8313, 28.2325

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.



83.8114, 67.2112, 53.9819



46.3638, 67.2112, 65.7878



80.6476, 67.2112, 113.3070

Square

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



46.3638, 67.2112, 65.7878



61.2455, 67.2112, 144.0774



85.3363, 67.2112, 81.1096



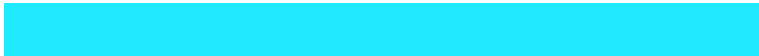
66.5936, 67.2112, 30.4643

Rectangle

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



46.3638, 67.2112, 65.7878



50.4251, 67.2112, 117.7021



85.3363, 67.2112, 81.1096



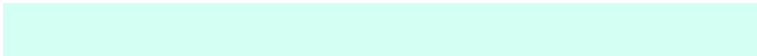
79.5430, 67.2112, 41.5967

Sweetspot

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



46.3657, 67.2139, 65.7894



79.0513, 91.9614, 98.7086



43.7228, 66.7747, 23.9503



16.5656, 19.5058, 20.8804



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.



46.3657, 67.2139, 65.7894



50.9816, 78.0326, 72.9239



43.4307, 53.9870, 87.4914



15.3359, 17.0492, 18.4517



20.7452, 34.7526, 27.6872



1.6685, 2.7447, 2.3824

Inverse Universe

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



44.3796, 29.8313, 28.2325



48.4378, 29.2303, 24.1378



45.5842, 35.7350, 17.8609



15.2307, 15.1201, 16.5004



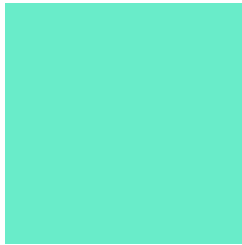
19.6091, 10.0463, 3.7427



1.5787, 0.8044, 0.4986

Previews

White Background



This preview shows how the XYZ color 46.3638, 67.2112, 65.7878 looks on a white background.

Color Contrast Check

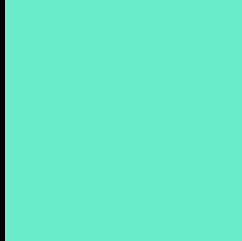
Large Text (above 18pt) WCAG AA × Fail

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 46.3638, 67.2112, 65.7878 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

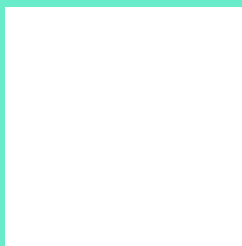
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.3638, 67.2112, 65.7878

Background



This preview shows how black text looks on a background with the XYZ color 46.3638, 67.2112, 65.7878.



This preview shows how white text looks on a background with the XYZ color 46.3638, 67.2112, 65.7878.

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

46.3638, 67.2112, 65.7878

Protanopia

62.7448, 66.2474, 57.0570

Deuteranopia

67.4774, 65.8789, 68.8340



Tritanopia

52.8477, 66.8809, 98.9309

Trichromacy



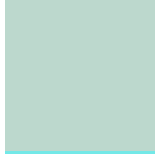
Original Color

46.3638, 67.2112, 65.7878



Protanomaly

54.0725, 65.1469, 60.1768



Deuteranomaly

56.3143, 64.2109, 67.1835



Tritanomaly

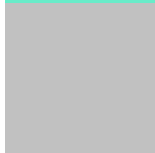
50.3506, 67.1276, 85.9045

Monochromacy



Original Color

46.3638, 67.2112, 65.7878



Achromatopsia

50.6879, 53.3276, 58.0738



Achromatomaly

47.4622, 57.1635, 60.7567

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.3638, 67.2112, 65.7878 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(105, 236, 201)` looks like.

```
.text, #text, p{  
    color:rgb(105, 236, 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(105, 236, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 236, 201) }
```

Border

The CSS property to change the border of an element to XYZ 46.3638, 67.2112, 65.7878 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(105, 236, 201) }
```


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

```
.border{ border-color:rgb(105, 236, 201) }
```

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

Here you see how a box with a 4 pixel rgb(105, 236, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 236, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 236, 201);  
box-shadow:4px 4px 4px 4px rgb(105, 236,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 46.3638, 67.2112, 65.7878 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 236, 201) }
```

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

```
.background{ background-color: rgb(105,  
236, 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](#).

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