

Converting Colors

XYZ(65.5295, 73.4975, 46.7257)

Have a look what the booklet for
XYZ(65.5295, 73.4975, 46.7257)
contains.

XYZ(65.4433, 73.3146, 46.7783)	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(65.4433, 73.3146,
46.7783)**

Conversions

Conversions Part 1

Format	Color
Hex	E2E2A6
RGB	226, 226, 166
RGB Percent	89%, 89%, 65%
CMY	0.1137, 0.1137, 0.3490
CMYK	0.00, 0.00, 0.27, 0.11
HSL	60°, 51%, 77%
HSV	60°, 27%, 89%
XYZ	65.4433, 73.3146, 46.7783
YIQ	219.1600, 19.2600, -18.6600

Conversions

Conversions Part 2

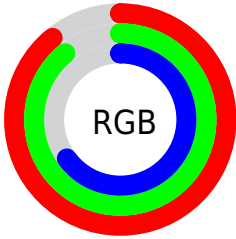
Format	Color
RYB	166, 226, 166
Decimal	14869158
CIELab	88.60, -9.34, 29.43
CIELCh	89, 30.874, 107.602
Yxy	73.3146, 0.3527, 0.3951
Android (android.graphics.Color)	4293059238 (0xFFE2E2A6)
YUV	219.1600, -26.2079, 5.9987
Hunter-Lab	85.6239, -13.4124, 27.5453

Details

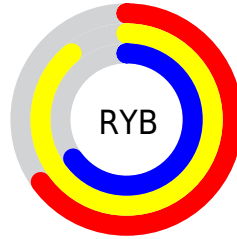
The XYZ color **65.4433, 73.3146, 46.7783** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **43.0923, 40.8723, 77.5736**, and the grayscale version is **67.6114, 71.1325, 77.4633**.

A 20% lighter version of the original color is **90.0511, 98.0005, 82.5764**, and **34.1777, 38.8868, 21.6241** is the 20% darker color. If you saturate the color by 10%, you get **63.5498, 72.5597, 36.8024**, and if you desaturate by 10%, it is **67.7049, 74.2219, 58.6761**.

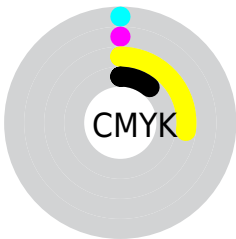
Distribution



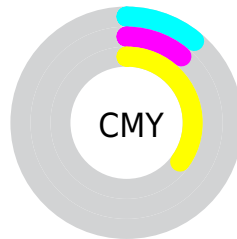
- Red (89%)
- Green (89%)
- Blue (65%)



- Red (65%)
- Yellow (89%)
- Blue (65%)



- Cyan (0%)
- Magenta (0%)
- Yellow (27%)
- Black (11%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.4433, 73.3146, 46.7783 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 65.4433, 73.3146, 46.7783 by changing the saturation by 10% instead.

65.4433, 73.3146,
46.7783

65.4433, 73.3146,
46.7783

433.9034,
472.1044, 390.2970

48.0867, 54.2332,
32.5073

111.7491,
123.9237, 86.7291

34.1071, 38.7882,
21.4813

141.4290,
156.2203, 113.2460

23.1391, 26.5950,
13.2816

175.9473,
193.6907, 144.6820

14.8175, 17.2693,
7.4897

215.6695,
236.7194, 181.4557

8.7769, 10.4267,
3.6872

260.9608,
285.6907, 223.9854

4.6519, 5.6828,
1.4553

312.1867,

2.0771, 2.6531,

340.9890, 272.6899

0.1843

369.7124,
402.9988, 327.9876

■ 0.6767, 0.9535,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 65.4433, 73.3146,
46.7783

■ 65.4433, 73.3146,
46.7783

■ 63.5498, 72.5597,
36.8024

■ 67.7049, 74.2219,
58.6761

■ 61.9998, 71.9396,
28.6432

■ 70.3467, 75.2786,
72.5843

■ 60.7742, 71.4493,
22.1929

■ 73.3871, 76.4949,
88.5913

■ 59.8501, 71.0796,
17.3301

■ 76.6146, 77.7860,
105.5839

■ 59.2014, 70.8200,
13.9175

■ 76.6152, 77.7863,
105.5839

■ 58.7977, 70.6584,
11.7946

■ 76.6159, 77.7866,
105.5840

■ 58.6003, 70.5794,
10.7586

■ 76.6165, 77.7869,
105.5840

■ 58.5573, 70.5622,
10.5336

■ 76.6172, 77.7873,
105.5840

■ 76.6178, 77.7876,
105.5841

Harmonies

Analogous

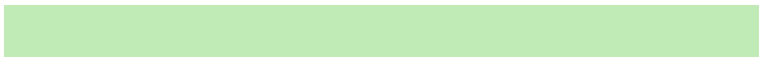
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.8023, 73.3146, 46.1069



65.4433, 73.3146, 46.7783



59.6372, 73.3146, 55.2511

Triad

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



65.4433, 73.3146, 46.7783



60.4696, 73.3146, 114.0927



84.6209, 73.3146, 88.9570

Complementary

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



65.4433, 73.3146, 46.7783



43.0923, 40.8723, 77.5736

Split Complementary

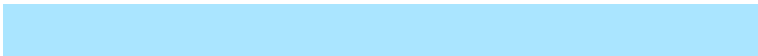
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.7986, 73.3146, 110.7853



65.4433, 73.3146, 46.7783



66.6548, 73.3146, 126.9380

Square

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



65.4433, 73.3146, 46.7783



56.9094, 73.3146, 92.8782



74.1026, 73.3146, 125.6299



84.2386, 73.3146, 68.0598

Rectangle

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



65.4433, 73.3146, 46.7783



57.2681, 73.3146, 65.2021



74.1026, 73.3146, 125.6299



83.7745, 73.3146, 96.4903

Sweetspot

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



65.4452, 73.3179, 46.7798



91.9370, 98.7547, 92.5106



51.8856, 46.1961, 42.2595



19.5611, 21.0907, 19.1843



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.



65.4452, 73.3179, 46.7798



84.5789, 95.8112, 53.7740



56.8470, 68.8854, 46.3775



14.8717, 16.0295, 14.6170



33.4051, 40.2535, 6.0091



2.3155, 2.7902, 0.4165

Inverse Universe

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



43.0923, 40.8723, 77.5736



50.3942, 46.1915, 100.8675



50.1308, 44.5008, 77.9030



12.9522, 13.2434, 17.2613



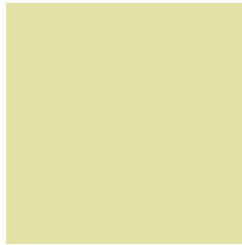
7.8317, 3.1327, 41.2403



0.5429, 0.2172, 2.8585

Previews

White Background



This preview shows how the XYZ color 65.4433, 73.3146, 46.7783 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 65.4433, 73.3146, 46.7783 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

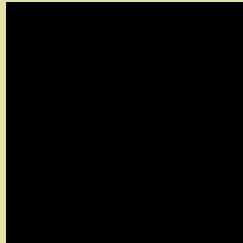
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

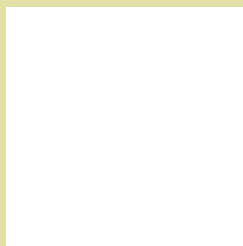
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 65.4433, 73.3146, 46.7783

Background



This preview shows how black text looks on a background with the XYZ color 65.4433, 73.3146, 46.7783.



This preview shows how white text looks on a background with the XYZ color 65.4433, 73.3146,

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

65.4433, 73.3146, 46.7783

Protanopia

68.0820, 73.1000, 45.6434

Deuteranopia

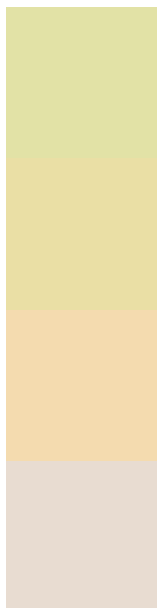
73.7787, 73.1562, 53.4120



Tritanopia

73.9251, 73.2284, 88.0801

Trichromacy



Original Color

65.4433, 73.3146, 46.7783

Protanomaly

67.1109, 72.9844, 46.1476

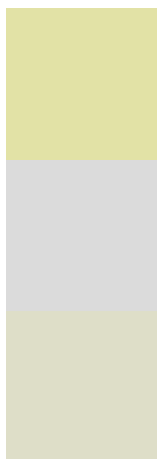
Deuteranomaly

70.3776, 72.9913, 50.9369

Tritanomaly

70.3805, 72.9457, 70.6921

Monochromacy



Original Color

65.4433, 73.3146, 46.7783

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

66.6708, 71.9423, 65.0159

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.4433, 73.3146, 46.7783 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(226, 226, 166)` looks like.

```
.text, #text, p{  
    color:rgb(226, 226, 166)  
}
```

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(226, 226, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 226, 166) }
```

Border

The CSS property to change the border of an element to XYZ 65.4433, 73.3146, 46.7783 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(226, 226, 166) }
```


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

```
.border{ border-color:rgb(226, 226, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 226, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(226, 226, 166); -webkit-box-shadow:4px 4px 4px 4px rgb(226, 226, 166); box-shadow:4px 4px 4px 4px rgb(226, 226, 166) }
```

Background

The CSS property to change the background color of an element to XYZ 65.4433, 73.3146, 46.7783 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 226, 166) }
```

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

```
.background{ background-color: rgb(226,  
226, 166) }
```

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