

Converting Colors

XYZ(65.6184, 72.8234, 31.8695)

Have a look what the booklet for
XYZ(65.6184, 72.8234, 31.8695)
contains.

XYZ(65.6100, 72.9275, 31.7375)	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(65.6100, 72.9275,
31.7375)**

Conversions

Conversions Part 1

Format	Color
Hex	EDE082
RGB	237, 224, 130
RGB Percent	93%, 88%, 51%
CMY	0.0706, 0.1215, 0.4902
CMYK	0.00, 0.05, 0.45, 0.07
HSL	53°, 75%, 72%
HSV	53°, 45%, 93%
XYZ	65.6100, 72.9275, 31.7375
YIQ	217.1710, 37.9220, -26.4780

Conversions

Conversions Part 2

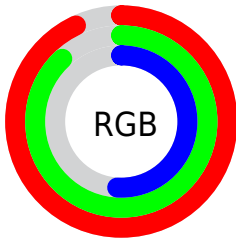
Format	Color
R_{YB}	145, 237, 130
Decimal	15589506
CIE _{Lab}	88.41, -8.17, 47.42
CIE _{LCh}	88, 48.113, 99.773
Yxy	72.9275, 0.3853, 0.4283
Android (android.graphics.Color)	4293779586 (0xFFE082)
YUV	217.1710, -42.9753, 17.3900
Hunter-Lab	85.3976, -12.3063, 37.7436

Details

The XYZ color **65.6100, 72.9275, 31.7375** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **34.3143, 30.5044, 84.2001**, and the grayscale version is **66.3395, 69.7943, 76.0060**.

A 20% lighter version of the original color is **85.6517, 96.2407, 59.4094**, and **34.1535, 38.5097, 12.8408** is the 20% darker color. If you saturate the color by 10%, you get **63.4326, 70.8319, 24.0470**, and if you desaturate by 10%, it is **68.1705, 75.2026, 41.3648**.

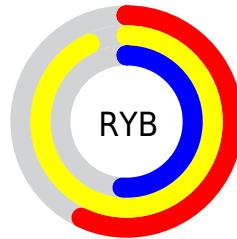
Distribution



Red (93%)

Green (88%)

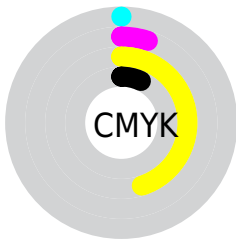
Blue (51%)



Red (57%)

Yellow (93%)

Blue (51%)

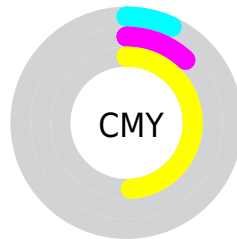


Cyan (0%)

Magenta (5%)

Yellow (45%)

Black (7%)



Cyan (7%)

Magenta (12%)

Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.6100, 72.9275, 31.7375 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 65.6100, 72.9275, 31.7375 by changing the saturation by 10% instead.

65.6100, 72.9275,
31.7375

65.6100, 72.9275,
31.7375

434.4915,
470.7635, 324.3775

48.2224, 53.9167,
20.8979

111.9872,
123.3743, 63.4925

34.2150, 38.5351,
12.8589

141.7076,
155.5790, 85.2449

23.2225, 26.3982,
7.2019

176.2696,
192.9506, 111.4721

14.8795, 17.1218,
3.5083

216.0386,
235.8732, 142.5925

8.8206, 10.3214,
1.3597

261.3799,
284.7315, 179.0247

4.6805, 5.6125,
0.1100

312.6589,

2.0939, 2.6109,

339.9097, 221.1873

0.0000

370.2410,
401.7922, 269.4987

■ 0.6859, 0.9322,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 65.6100, 72.9275,
31.7375

■ 65.6100, 72.9275,
31.7375

■ 63.4326, 70.8319,
24.0470

■ 68.1705, 75.2026,
41.3648

■ 61.6073, 68.8954,
18.1545


■ 71.1318, 77.6564,
53.0459

■ 60.1071, 67.1096,
13.9099


■ 74.5170, 80.3009,
66.8939


■ 58.8985, 65.4611,
11.1369


■ 78.3458, 83.1441,
83.0123


 57.9401, 63.9333,
9.6187


 82.6367, 86.1935,
101.4980

 57.5342, 63.2228,
9.1708

 84.5118, 88.2981,
107.1967

 85.3718, 90.0181,
107.4834

 86.2454, 91.7652,
107.7746

 87.1325, 93.5395,
108.0703

Harmonies

Analogous

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



77.2891, 72.9275, 33.3947



65.6100, 72.9275, 31.7375



56.0440, 72.9275, 39.8356

Triad

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



65.6100, 72.9275, 31.7375



53.5947, 72.9275, 127.4971



92.3374, 72.9275, 103.5147

Complementary

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



65.6100, 72.9275, 31.7375



34.3143, 30.5044, 84.2001

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.



84.5321, 72.9275, 139.0790



65.6100, 72.9275, 31.7375



61.9099, 72.9275, 155.3801

Square

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



65.6100, 72.9275, 31.7375



49.6345, 72.9275, 90.7102



73.1578, 72.9275, 160.1249



93.6125, 72.9275, 69.0816

Rectangle

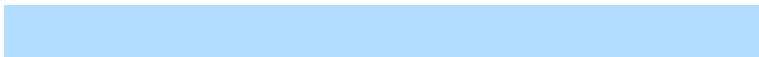
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



65.6100, 72.9275, 31.7375



51.8270, 72.9275, 51.4730



73.1578, 72.9275, 160.1249



90.3523, 72.9275, 115.9633

Sweetspot

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



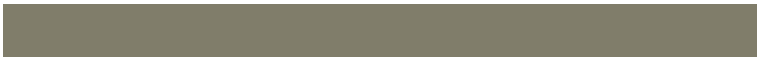
65.6118, 72.9309, 31.7390



88.4582, 95.1752, 80.9335



47.9627, 35.9924, 30.9128



18.7364, 20.2213, 16.5036



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.



65.6118, 72.9309, 31.7390



75.1240, 83.8622, 29.1498



57.5411, 74.1543, 32.4005



16.1868, 17.2965, 16.0041



31.4768, 34.6478, 5.0287



2.5157, 2.8087, 0.4095

Inverse Universe

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



34.3143, 30.5044, 84.2001



33.9547, 28.0791, 98.2379



39.6817, 30.5414, 83.9244



14.3786, 14.8436, 19.0295



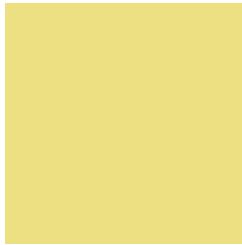
8.6323, 3.9116, 44.0430



0.7259, 0.4033, 3.4745

Previews

White Background



This preview shows how the XYZ color 65.6100, 72.9275, 31.7375 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 65.6100, 72.9275, 31.7375 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

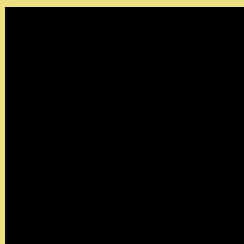
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 65.6100, 72.9275, 31.7375

Background



This preview shows how black text looks on a background with the XYZ color 65.6100, 72.9275, 31.7375.



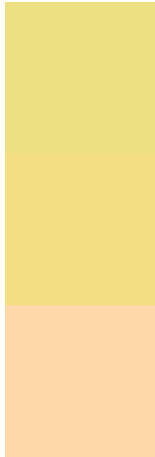
This preview shows how white text looks on a background with the XYZ color 65.6100, 72.9275,

31.7375.

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

65.6100, 72.9275, 31.7375

Protanopia

67.0459, 72.8822, 31.3029

Deuteranopia

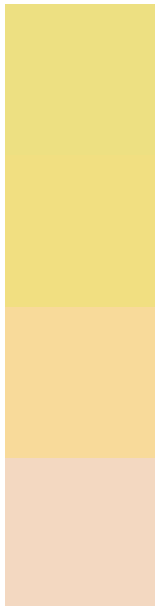
72.6083, 72.6880, 47.2491



Tritanopia

76.0441, 72.5183, 84.1182

Trichromacy



Original Color

65.6100, 72.9275, 31.7375

Protanomaly

66.6258, 73.0611, 31.3595

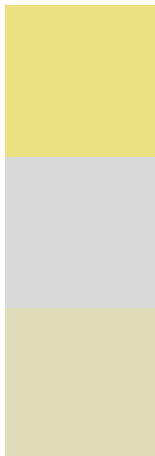
Deuteranomaly

69.6155, 72.4324, 40.8836

Tritanomaly

71.1437, 72.0167, 60.6030

Monochromacy



Original Color

65.6100, 72.9275, 31.7375

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

65.0906, 70.5365, 56.0832

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.6100, 72.9275, 31.7375 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(237, 224, 130)` looks like.

```
.text, #text, p{  
    color:rgb(237, 224, 130)  
}
```

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(237, 224, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 224, 130) }
```

Border

The CSS property to change the border of an element to XYZ 65.6100, 72.9275, 31.7375 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(237, 224, 130) }
```


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

```
.border{ border-color:rgb(237, 224, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 224, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 224, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 224, 130);  
box-shadow:4px 4px 4px 4px rgb(237, 224,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 65.6100, 72.9275, 31.7375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 224, 130) }
```

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

```
.background{ background-color: rgb(237,  
224, 130) }
```

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