

Converting Colors

XYZ(64.8840, 75.5704, 30.7969)

Have a look what the booklet for
XYZ(64.8840, 75.5704, 30.7969)
contains.

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Color

**XYZ(64.6549, 75.3162,
30.8685)**

Conversions

Conversions Part 1

Format	Color
Hex	E5E77E
RGB	229, 231, 126
RGB Percent	90%, 91%, 49%
CMY	0.1020, 0.0941, 0.5059
CMYK	0.01, 0.00, 0.45, 0.09
HSL	61°, 69%, 70%
HSV	61°, 45%, 91%
XYZ	64.6549, 75.3162, 30.8685
YIQ	218.4320, 32.5130, -33.0790

Conversions

Conversions Part 2

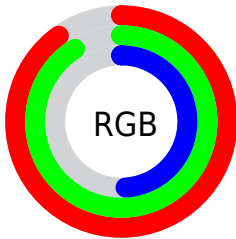
Format	Color
RYB	126, 231, 128
Decimal	15067006
CIELab	89.54, -15.18, 50.58
CIELCh	90, 52.811, 106.708
Yxy	75.3162, 0.3785, 0.4409
Android (android.graphics.Color)	4293257086 (0xFFE5E77E)
YUV	218.4320, -45.5690, 9.2681
Hunter-Lab	86.7849, -18.8908, 39.6606

Details

The XYZ color **64.6549, 75.3162, 30.8685** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **30.7894, 25.2823, 78.8630**, and the grayscale version is **67.2298, 70.7310, 77.0261**.

A 20% lighter version of the original color is **85.3405, 96.1162, 57.7704**, and **33.7746, 40.3157, 12.4802** is the 20% darker color. If you saturate the color by 10%, you get **63.1932, 74.7180, 23.8977**, and if you desaturate by 10%, it is **66.4648, 76.0591, 39.6550**.

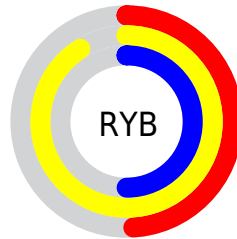
Distribution



Red (90%)

Green (91%)

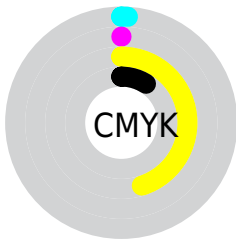
Blue (49%)



Red (49%)

Yellow (91%)

Blue (50%)

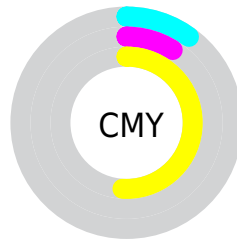


Cyan (1%)

Magenta (0%)

Yellow (45%)

Black (9%)



Cyan (10%)

Magenta (9%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.6549, 75.3162, 30.8685 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 64.6549, 75.3162, 30.8685 by changing the saturation by 10% instead.

64.6549, 75.3162,
30.8685

64.6549, 75.3162,
30.8685

431.1156,
479.0037, 320.2645

47.4450, 55.8720,
20.2411

110.6220,
126.7599, 62.1101

33.5970, 40.1003,
12.3846

140.1100,
159.5281, 83.5614

22.7456, 27.6167,
6.8805

174.4212,
197.5064, 109.4578

14.5254, 18.0370,
3.3101

213.9212,
241.0793, 140.2178

8.5711, 10.9765,
1.2551

258.9753,
290.6310, 176.2599

4.5174, 6.0511,
0.0246

309.9489,

1.9988, 2.8761,

346.5461, 218.0027

0.0000

367.2072,
409.2088, 265.8647

0.6333, 1.0674,
0.0000

0.0000, 0.0000,
0.0000

64.6549, 75.3162,
30.8685

64.6549, 75.3162,
30.8685

63.1932, 74.7180,
23.8977

66.4648, 76.0591,
39.6550

62.0503, 74.2446,
18.6113


68.6391, 76.9452,
50.3669


61.2008, 73.8886,
14.8682


71.1996, 77.9858,
63.1108


60.6131, 73.6374,
12.5021


74.1649, 79.1883,
77.9842


 60.2484, 73.4755,
11.3084


 77.5523, 80.5597,
95.0781

 60.1277, 73.4199,
11.0024

 79.7922, 81.4722,
106.1279

 79.9354, 81.5460,
106.1347

 80.0789, 81.6200,
106.1414

 80.2228, 81.6942,
106.1481

Harmonies

Analogous

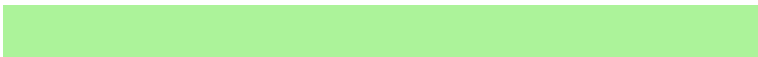
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.4721, 75.3162, 30.2978



64.6549, 75.3162, 30.8685



54.9295, 75.3162, 42.1434

Triad

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



64.6549, 75.3162, 30.8685



55.8150, 75.3162, 145.7277



98.6932, 75.3162, 99.5423

Complementary

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



64.6549, 75.3162, 30.8685



30.7894, 25.2823, 78.8630

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.



91.3087, 75.3162, 141.3569



64.6549, 75.3162, 30.8685



66.0054, 75.3162, 172.9683

Square

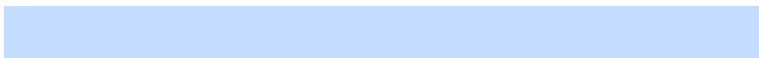
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



64.6549, 75.3162, 30.8685



50.2640, 75.3162, 104.2939



78.9951, 75.3162, 171.1629



98.2176, 75.3162, 63.1446

Rectangle

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



64.6549, 75.3162, 30.8685



51.0416, 75.3162, 56.8896



78.9951, 75.3162, 171.1629



97.0133, 75.3162, 113.6035

Sweetspot

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



64.6567, 75.3196, 30.8701



89.5752, 97.7811, 81.3776



44.4101, 33.8704, 23.9367



19.0117, 20.8638, 16.6131



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.



64.6567, 75.3196, 30.8701



79.1011, 93.5073, 30.0240



50.4193, 67.9800, 30.2038



15.5729, 16.8024, 15.3269



33.7193, 41.1644, 6.1683



2.5005, 3.0464, 0.4562

Inverse Universe

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



30.7894, 25.2823, 78.8630



31.5463, 23.2363, 97.4301



40.7676, 30.4262, 79.3300



13.6082, 13.9002, 18.1101



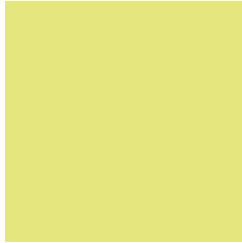
8.1289, 3.2565, 42.5833



0.6097, 0.2453, 3.1472

Previews

White Background



This preview shows how the XYZ color 64.6549, 75.3162, 30.8685 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 64.6549, 75.3162, 30.8685 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

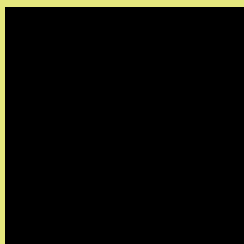
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.6549, 75.3162, 30.8685

Background



This preview shows how black text looks on a background with the XYZ color 64.6549, 75.3162, 30.8685.



This preview shows how white text looks on a background with the XYZ color 64.6549, 75.3162,

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

64.6549, 75.3162, 30.8685

Protanopia

68.9211, 75.0798, 29.9281

Deuteranopia

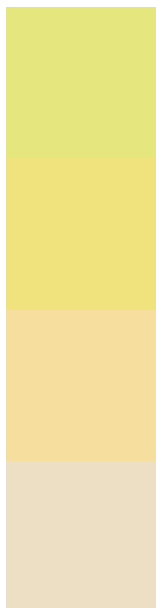
74.5073, 75.0974, 52.1633



Tritanopia

76.4874, 74.8997, 89.7827

Trichromacy



Original Color

64.6549, 75.3162, 30.8685

Protanomaly

67.1059, 74.9441, 30.3308

Deuteranomaly

70.5653, 74.8368, 43.0735

Tritanomaly

71.2765, 74.7654, 62.8990

Monochromacy



Original Color

64.6549, 75.3162, 30.8685

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

65.2688, 71.8077, 56.3192

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.6549, 75.3162, 30.8685 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(229, 231, 126)` looks like.

```
.text, #text, p{  
    color:rgb(229, 231, 126)  
}
```

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(229, 231, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 231, 126) }
```

Border

The CSS property to change the border of an element to XYZ 64.6549, 75.3162, 30.8685 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(229, 231, 126) }
```


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

```
.border{ border-color:rgb(229, 231, 126) }
```

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

Here you see how a box with a 4 pixel rgb(229, 231, 126) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 231, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 231, 126);  
box-shadow:4px 4px 4px 4px rgb(229, 231,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 64.6549, 75.3162, 30.8685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 231, 126) }
```

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

```
.background{ background-color: rgb(229,  
231, 126) }
```

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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