

Converting Colors

XYZ(64.1729, 76.4234, 11.3698)

Have a look what the booklet for
XYZ(64.1729, 76.4234, 11.3698)
contains.

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Color

**XYZ(64.0640, 76.2824,
11.3474)**

Conversions

Conversions Part 1

Format	Color
Hex	EDE900
RGB	237, 233, 0
RGB Percent	93%, 91%, 0%
CMY	0.0706, 0.0862, 0.9999
CMYK	0.00, 0.02, 1.00, 0.07
HSL	59°, 100%, 46%
HSV	59°, 100%, 93%
XYZ	64.0640, 76.2824, 11.3474
YIQ	207.6340, 77.1770, -71.6150

Conversions

Conversions Part 2

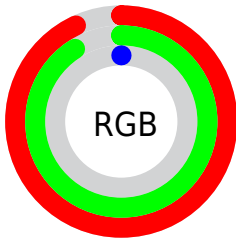
Format	Color
R_{YB}	4, 237, 0
Decimal	15591680
CIE Lab	89.99, -18.46, 88.62
CIE LCh	90, 90.526, 101.768
Yxy	76.2824, 0.4223, 0.5029
Android (android.graphics.Color)	4293781760 (0xFFE9E900)
YUV	207.6340, -102.3636, 25.7540
Hunter-Lab	87.3398, -21.9144, 53.4348

Details

The XYZ color **64.0640, 76.2824, 11.3474** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **15.3300, 6.2019, 80.5093**, and the grayscale version is **60.3281, 63.4699, 69.1187**.

A 20% lighter version of the original color is **78.8883, 93.5353, 23.7938**, and **33.8249, 41.0709, 6.1447** is the 20% darker color. If you saturate the color by 10%, you get **64.0654, 76.2856, 11.3480**, and if you desaturate by 10%, it is **64.3408, 76.5771, 12.2393**.

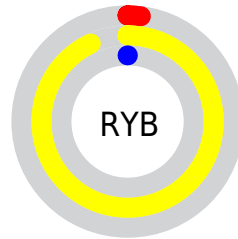
Distribution



Red (93%)

Green (91%)

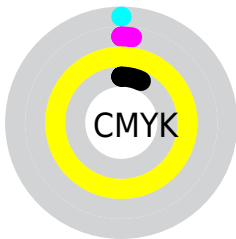
Blue (0%)



Red (2%)

Yellow (93%)

Blue (0%)

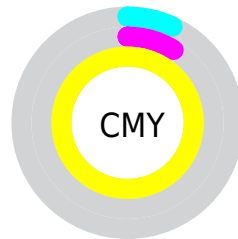


Cyan (0%)

Magenta (2%)

Yellow (100%)

Black (7%)



Cyan (7%)

Magenta (9%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.0640, 76.2824, 11.3474 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 64.0640, 76.2824, 11.3474 by changing the saturation by 10% instead.

64.0640, 76.2824,
11.3474

64.0640, 76.2824,
11.3474

429.0193,
482.3139, 210.8579

46.9644, 56.6641,
6.1839

109.7763,
128.1260, 28.9472

33.2153, 40.7356,
2.8866

139.1197,
161.1201, 42.2206

22.4515, 28.1126,
1.0370

173.2751,
199.3416, 59.0344

14.3075, 18.4105,
0.0000

212.6079,
243.1749, 79.8071

8.4180, 11.2451,
0.0000

257.4833,
293.0044, 104.9572

4.4176, 6.2320,
0.0000

308.2668,

1.9410, 2.9866,

349.2144, 134.9034

0.0000

365.3236,
412.1895, 170.0641

■ 0.6005, 1.1248,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 64.0640, 76.2824,
11.3474

■ 64.0640, 76.2824,
11.3474

■ 64.0654, 76.2856,
11.3480

■ 64.3408, 76.5771,
12.2393

■ 64.8140, 76.9479,
14.1715

■ 65.5474, 77.4232,
17.4728

■ 66.5777, 78.0176,
22.3362

67.9357, 78.7435,
28.9239

69.6483, 79.6117,
37.3780

71.7398, 80.6318,
47.8256

74.2321, 81.8127,
60.3829

77.1457, 83.1625,
75.1571

Harmonies

Analogous

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



86.8416, 76.2824, 12.3299



64.0640, 76.2824, 11.3474



47.4169, 76.2824, 20.8207

Triad

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



64.0640, 76.2824, 11.3474



44.8749, 76.2824, 195.3986



121.6285, 76.2824, 127.9708

Complementary

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



64.0640, 76.2824, 11.3474



15.3300, 6.2019, 80.5093

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.



105.1704, 76.2824, 213.3268



64.0640, 76.2824, 11.3474



59.8385, 76.2824, 264.1118

Square

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



64.0640, 76.2824, 11.3474



37.9657, 76.2824, 110.8635



81.6548, 76.2824, 271.9772



123.4128, 76.2824, 60.3409

Rectangle

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



64.0640, 76.2824, 11.3474



40.7745, 76.2824, 37.2827



81.6548, 76.2824, 271.9772



117.4925, 76.2824, 156.1995

Sweetspot

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



64.0657, 76.2860, 11.3490



84.6764, 95.1948, 56.2947



34.9686, 18.0225, 1.8634



17.8890, 20.2619, 10.8712



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.



64.0657, 76.2860, 11.3490



75.6446, 90.0693, 13.3982



38.9495, 65.0352, 10.5011



16.3289, 17.5809, 16.0515



34.9881, 41.6704, 6.1991



2.7544, 3.2861, 0.4891

Inverse Universe

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



15.3300, 6.2019, 80.5093



18.0966, 7.3133, 95.0655



21.7937, 9.4697, 80.7993



14.2516, 14.5896, 18.9872



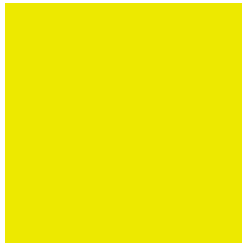
8.3787, 3.4045, 43.9585



0.6651, 0.2817, 3.4542

Previews

White Background



This preview shows how the XYZ color 64.0640, 76.2824, 11.3474 looks on a white background.

Color Contrast Check

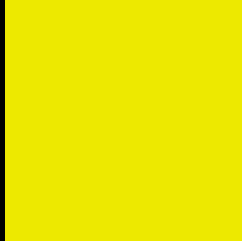
Large Text (above 18pt) WCAG AA × Fail

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 64.0640, 76.2824, 11.3474 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

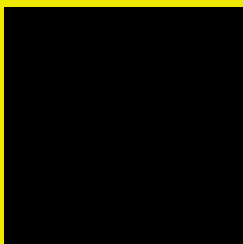
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

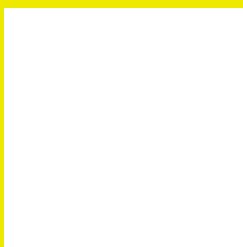
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.0640, 76.2824, 11.3474

Background



This preview shows how black text looks on a background with the XYZ color 64.0640, 76.2824, 11.3474.



This preview shows how white text looks on a background with the XYZ color 64.0640, 76.2824,

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

64.0640, 76.2824, 11.3474

Protanopia

68.8955, 76.2728, 12.0682

Deuteranopia

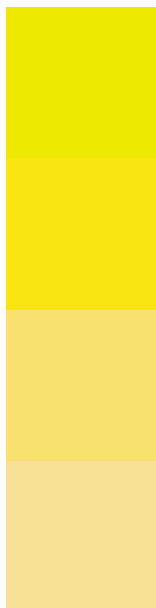
74.6393, 75.9900, 50.2688



Tritanopia

79.6657, 76.2043, 87.6009

Trichromacy



Original Color

64.0640, 76.2824, 11.3474

Protanomaly

66.8319, 76.0356, 11.6842

Deuteranomaly

68.4511, 74.9327, 25.6075

Tritanomaly

70.0907, 74.6876, 38.7389

Monochromacy



Original Color

64.0640, 76.2824, 11.3474

Achromatopsia

59.9535, 63.0757, 68.6895

Achromatomaly

58.1911, 66.3517, 31.5700

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.0640, 76.2824, 11.3474 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, 233, 0)` looks like.

```
.text, #text, p{  
    color:rgb(237, 233, 0)  
}
```

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, 233, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 233, 0) }
```

Border

The CSS property to change the border of an element to XYZ 64.0640, 76.2824, 11.3474 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, 233, 0) }
```


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

```
.border{ border-color:rgb(237, 233, 0) }
```

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

Here you see how a box with a 4 pixel rgb(237, 233, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 233, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 233, 0);  
box-shadow:4px 4px 4px 4px rgb(237, 233,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 64.0640, 76.2824, 11.3474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 233, 0) }
```

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

```
.background{ background-color: rgb(237,  
233, 0) }
```

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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