

Converting Colors

XYZ(64.2028, 77.8256, 12.8180)

Have a look what the booklet for
XYZ(64.2028, 77.8256, 12.8180)
contains.

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Color

**XYZ(64.4376, 78.1495,
12.8505)**

Conversions

Conversions Part 1

Format	Color
Hex	EAED1D
RGB	234, 237, 29
RGB Percent	92%, 93%, 11%
CMY	0.0824, 0.0706, 0.8862
CMYK	0.01, 0.00, 0.88, 0.07
HSL	61°, 85%, 52%
HSV	61°, 88%, 93%
XYZ	64.4376, 78.1495, 12.8505
YIQ	212.3910, 64.9800, -65.3240

Conversions

Conversions Part 2

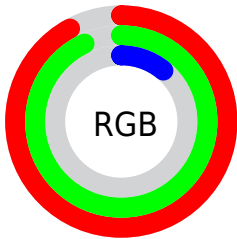
Format	Color
R _Y B	29, 237, 32
Decimal	15396125
CIE Lab	90.85, -21.31, 86.12
CIE LCh	91, 88.715, 103.899
Yxy	78.1495, 0.4146, 0.5028
Android (android.graphics.Color)	4293586205 (0xFFEAED1D)
YUV	212.3910, -90.4118, 18.9511
Hunter-Lab	88.4022, -24.5927, 53.2629

Details

The XYZ color **64.4376, 78.1495, 12.8505** 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 **16.3231, 7.3017, 80.6747**, and the grayscale version is **63.3957, 66.6972, 72.6332**.

A 20% lighter version of the original color is **79.3490, 93.7196, 26.2195**, and **33.9794, 42.0464, 6.3249** is the 20% darker color. If you saturate the color by 10%, you get **64.1341, 78.0181, 11.8314**, and if you desaturate by 10%, it is **64.9661, 78.3769, 15.0381**.

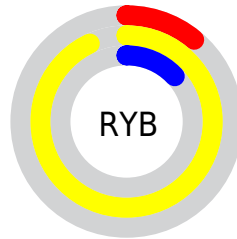
Distribution



Red (92%)

Green (93%)

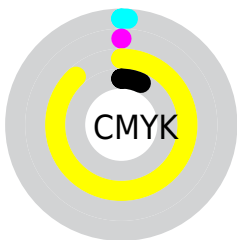
Blue (11%)



Red (11%)

Yellow (93%)

Blue (13%)

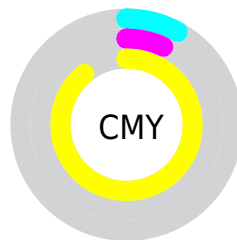


Cyan (1%)

Magenta (0%)

Yellow (88%)

Black (7%)



Cyan (8%)

Magenta (7%)

Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.4376, 78.1495, 12.8505 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 64.4376, 78.1495, 12.8505 by changing the saturation by 10% instead.

64.4376, 78.1495,
12.8505

64.4376, 78.1495,
12.8505

430.3454,
488.6744, 221.1314

47.2682, 58.1968,
7.1962

110.3111,
130.7608, 31.7222

33.4566, 41.9669,
3.5048

139.7460,
164.1883, 45.7766

22.6373, 29.0754,
1.3578

174.0000,
202.8761, 63.4681

14.4452, 19.1378,
0.1085

213.4386,
247.2086, 85.2153

8.5147, 11.7699,
0.0000

258.4270,
297.5704, 111.4367

4.4806, 6.5872,
0.0000

309.3308,

1.9774, 3.2053,

354.3456, 142.5508

0.0000

366.5151,
417.9188, 178.9762

■ 0.6212, 1.2398,
0.0000

■ 0.0000, 0.0939,
0.0000

■ 64.4376, 78.1495,
12.8505

■ 64.4376, 78.1495,
12.8505

■ 64.1341, 78.0181,
11.8314


■ 64.9661, 78.3769,
15.0381


■ 64.0798, 77.9934,
11.6769


■ 65.7619, 78.7082,
18.6397


■ 66.8619, 79.1612,
23.8419


■ 68.2958, 79.7479,
30.8016

 70.0899, 80.4787,
39.6571

 72.2680, 81.3630,
50.5331

 74.8516, 82.4096,
63.5434

 77.8607, 83.6265,
78.7935

 81.3141, 85.0210,
96.3820

Harmonies

Analogous

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



86.8304, 78.1495, 13.2004



64.4376, 78.1495, 12.8505



48.3138, 78.1495, 23.6932

Triad

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



64.4376, 78.1495, 12.8505



47.4434, 78.1495, 201.9624



123.6228, 78.1495, 123.9406

Complementary

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



64.4376, 78.1495, 12.8505



16.3231, 7.3017, 80.6747

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.



108.1944, 78.1495, 207.9651



64.4376, 78.1495, 12.8505



62.9991, 78.1495, 266.2770

Square

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



64.4376, 78.1495, 12.8505



39.9168, 78.1495, 118.1688



85.0741, 78.1495, 268.9016



124.2234, 78.1495, 58.8461

Rectangle

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



64.4376, 78.1495, 12.8505



42.0153, 78.1495, 41.6564



85.0741, 78.1495, 268.9016



119.8782, 78.1495, 151.4445

Sweetspot

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



64.4394, 78.1531, 12.8521



85.8010, 96.2597, 62.0313



35.5889, 18.9739, 2.9499



18.1563, 20.5189, 12.2307



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.



64.4394, 78.1531, 12.8521



75.6565, 92.0874, 13.7871



40.1825, 65.6483, 11.7169



16.3292, 17.6152, 16.0582



34.9935, 42.5843, 6.3752



2.7548, 3.3475, 0.5009

Inverse Universe

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



16.3231, 7.3017, 80.6747



18.0962, 7.2438, 95.0522



25.4013, 11.9817, 81.0996



14.2513, 14.5593, 18.9814



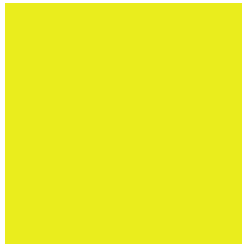
8.3784, 3.3551, 43.9490



0.6650, 0.2671, 3.4514

Previews

White Background



This preview shows how the XYZ color 64.4376, 78.1495, 12.8505 looks on a white background.

Color Contrast Check

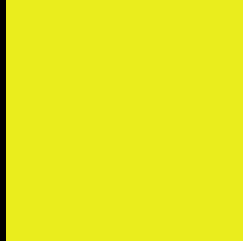
Large Text (above 18pt) WCAG AA × Fail

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 64.4376, 78.1495, 12.8505 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 64.4376, 78.1495, 12.8505

Background



This preview shows how black text looks on a background with the XYZ color 64.4376, 78.1495, 12.8505.



This preview shows how white text looks on a background with the XYZ color 64.4376, 78.1495,

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

64.4376, 78.1495, 12.8505

Protanopia

70.7823, 77.9078, 19.2897

Deuteranopia

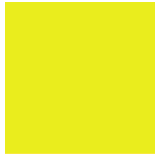
76.2361, 77.9075, 54.7356



Tritanopia

80.4502, 77.6834, 91.6431

Trichromacy



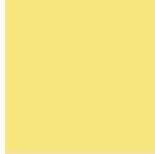
Original Color

64.4376, 78.1495, 12.8505



Protanomaly

68.1116, 77.8463, 16.1386



Deuteranomaly

70.1430, 77.3191, 30.9658



Tritanomaly

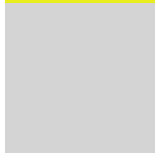
71.0262, 76.2344, 45.1537

Monochromacy



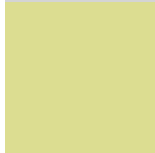
Original Color

64.4376, 78.1495, 12.8505



Achromatopsia

62.5785, 65.8375, 71.6970



Achromatomaly

60.4825, 68.9729, 36.9134

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.4376, 78.1495, 12.8505 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(234, 237, 29)` looks like.

```
.text, #text, p{  
    color:rgb(234, 237, 29)  
}
```

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(234, 237, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 237, 29) }
```

Border

The CSS property to change the border of an element to XYZ 64.4376, 78.1495, 12.8505 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(234, 237, 29) }
```


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

```
.border{ border-color:rgb(234, 237, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 237, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 237, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 237, 29);  
box-shadow:4px 4px 4px 4px rgb(234, 237,  
29) }
```

Background

The CSS property to change the background color of an element to XYZ 64.4376, 78.1495, 12.8505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 237, 29) }
```

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

```
.background{ background-color: rgb(234,  
237, 29) }
```

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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