

Converting Colors

XYZ(58.6394, 63.7593, 24.1455)

Have a look what the booklet for
XYZ(58.6394, 63.7593, 24.1455)
contains.

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Color

**XYZ(58.6247, 63.7375,
24.2517)**

Conversions

Conversions Part 1

Format	Color
Hex	E7D16F
RGB	231, 209, 111
RGB Percent	91%, 82%, 44%
CMY	0.0941, 0.1804, 0.5647
CMYK	0.00, 0.10, 0.52, 0.09
HSL	49°, 71%, 67%
HSV	49°, 52%, 91%
XYZ	58.6247, 63.7375, 24.2517
YIQ	204.4060, 44.5700, -25.8140

Conversions

Conversions Part 2

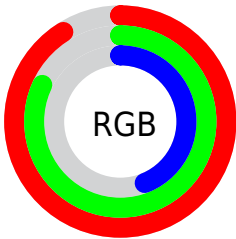
Format	Color
RYB	138, 231, 111
Decimal	15192431
CIELab	83.83, -4.68, 50.88
CIElCh	84, 51.100, 95.257
Yxy	63.7375, 0.3999, 0.4347
Android (android.graphics.Color)	4293382511 (0xFFE7D16F)
YUV	204.4060, -46.0492, 23.3229
Hunter-Lab	79.8358, -8.6372, 37.8745

Details

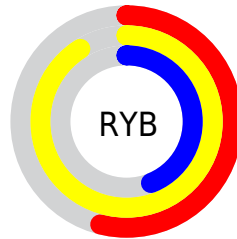
The XYZ color **58.6247, 63.7375, 24.2517** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **29.3668, 25.9234, 79.0570**, and the grayscale version is **57.9156, 60.9317, 66.3546**.

A 20% lighter version of the original color is **83.7915, 95.4966, 49.6137**, and **29.7443, 32.6427, 8.8706** is the 20% darker color. If you saturate the color by 10%, you get **56.4892, 61.2455, 18.0557**, and if you desaturate by 10%, it is **61.1198, 66.4222, 32.1913**.

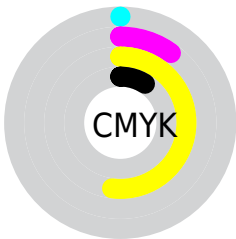
Distribution



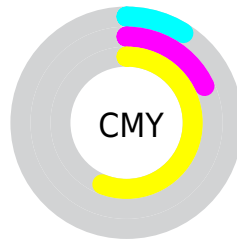
- Red (91%)
- Green (82%)
- Blue (44%)



- Red (54%)
- Yellow (91%)
- Blue (44%)



- Cyan (0%)
- Magenta (10%)
- Yellow (52%)
- Black (9%)



- Cyan (9%)
- Magenta (18%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.6247, 63.7375, 24.2517 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 58.6247, 63.7375, 24.2517 by changing the saturation by 10% instead.

■ 58.6247, 63.7375,
24.2517

■ 58.6247, 63.7375,
24.2517

409.4261,
438.2411, 287.4180

■ 42.5563, 46.4381,
15.3065

■ 101.9498,
110.2328, 51.3896

■ 29.7301, 32.5917,
8.8858

■ 129.9371,
140.1975, 70.4194

■ 19.7809, 21.8138,
4.5710

■ 162.6281,
175.1527, 93.6478

■ 12.3432, 13.7202,
1.9435

■ 200.3882,
215.4829, 121.4934

■ 7.0517, 7.9263,
0.5202

243.5827,
261.5725, 154.3746

■ 3.5411, 4.0478,
0.0000

292.5770,

■ 1.4459, 1.7003,

313.8058, 192.7101

0.0000

347.7363,
372.5672, 236.9184

■ 0.2886, 0.4239,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 58.6247, 63.7375,
24.2517

■ 58.6247, 63.7375,
24.2517

■ 56.4892, 61.2455,
18.0557

■ 61.1198, 66.4222,
32.1913

■ 54.6825, 58.9265,
13.4630


■ 63.9932, 69.3004,
41.9927


■ 53.1761, 56.7712,
10.3180


■ 67.2677, 72.3839,
53.7681


■ 51.9342, 54.7647,
8.4319


■ 70.9629, 75.6808,
67.6197

 51.0796, 53.2382,
7.5838

 75.0971, 79.1988,
83.6426

 79.6875, 82.9451,
101.9263

 81.7671, 85.7332,
106.8463

 83.0187, 88.2366,
107.2635

 84.2996, 90.7984,
107.6905

Harmonies

Analogous

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



70.0706, 63.7375, 27.0386



58.6247, 63.7375, 24.2517



48.9567, 63.7375, 30.1733

Triad

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



58.6247, 63.7375, 24.2517



44.6105, 63.7375, 111.5431



82.3718, 63.7375, 98.6188

Complementary

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



58.6247, 63.7375, 24.2517



29.3668, 25.9234, 79.0570

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.



73.9125, 63.7375, 133.0980



58.6247, 63.7375, 24.2517



51.9886, 63.7375, 142.0322

Square

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



58.6247, 63.7375, 24.2517



41.5300, 63.7375, 75.2176



62.5795, 63.7375, 150.9407



84.7142, 63.7375, 63.8890

Rectangle

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



58.6247, 63.7375, 24.2517



44.5201, 63.7375, 39.7970



62.5795, 63.7375, 150.9407



80.1022, 63.7375, 110.9220

Sweetspot

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



58.6262, 63.7405, 24.2530



86.8238, 92.9665, 77.1206



42.8735, 30.0519, 25.7321



18.3795, 19.7161, 15.7413



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.



58.6262, 63.7405, 24.2530



70.5955, 76.5261, 22.3351



53.4377, 69.6370, 25.6646



15.3652, 16.3443, 15.2494



28.7206, 30.0153, 4.2798



2.1809, 2.3352, 0.3358

Inverse Universe

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



29.3668, 25.9234, 79.0570



30.4143, 24.6463, 97.7619



32.5033, 23.5288, 78.4295



13.7954, 14.3123, 18.1798



8.6222, 4.3065, 42.7600



0.6990, 0.4419, 3.1804

Previews

White Background



This preview shows how the XYZ color 58.6247, 63.7375, 24.2517 looks on a white background.

Color Contrast Check

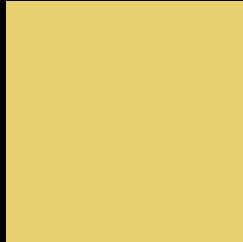
Large Text (above 18pt) WCAG AA × Fail

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 58.6247, 63.7375, 24.2517 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 58.6247, 63.7375, 24.2517

Background



This preview shows how black text looks on a background with the XYZ color 58.6247, 63.7375, 24.2517.

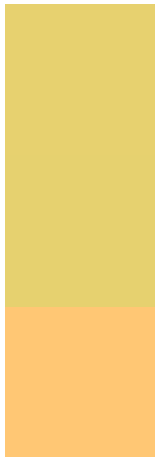


This preview shows how white text looks on a background with the XYZ color 58.6247, 63.7375,

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

58.6247, 63.7375, 24.2517

Protanopia

58.3028, 63.5716, 24.2366

Deuteranopia

64.8158, 63.3678, 25.3380



Tritanopia

68.2521, 63.4374, 71.5982

Trichromacy



Original Color

58.6247, 63.7375, 24.2517

Protanomaly

58.3028, 63.5716, 24.2366

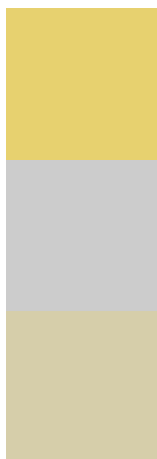
Deuteranomaly

62.3992, 63.5196, 24.8913

Tritanomaly

63.6482, 62.9124, 49.8630

Monochromacy



Original Color

58.6247, 63.7375, 24.2517

Achromatopsia

57.3938, 60.3827, 65.7568

Achromatomaly

57.0586, 61.3410, 46.8629

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.6247, 63.7375, 24.2517 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(231, 209, 111)` looks like.

```
.text, #text, p{  
    color:rgb(231, 209, 111)  
}
```

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(231, 209, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 209, 111) }
```

Border

The CSS property to change the border of an element to XYZ 58.6247, 63.7375, 24.2517 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(231, 209, 111) }
```


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

```
.border{ border-color:rgb(231, 209, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 209, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(231, 209, 111); -webkit-box-shadow:4px 4px 4px 4px rgb(231, 209, 111); box-shadow:4px 4px 4px 4px rgb(231, 209, 111) }
```

Background

The CSS property to change the background color of an element to XYZ 58.6247, 63.7375, 24.2517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 209, 111) }
```

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

```
.background{ background-color: rgb(231,  
209, 111) }
```

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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