

# Converting Colors

XYZ(58.2632, 62.5158, 24.0931)

Have a look what the booklet for  
XYZ(58.2632, 62.5158, 24.0931)  
contains.

<b>XYZ(58.2193, 62.4461, 24.0237)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(58.2193, 62.4461,  
24.0237)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E8CE6F
RGB	232, 206, 111
RGB Percent	91%, 81%, 44%
CMY	0.0902, 0.1921, 0.5647
CMYK	0.00, 0.11, 0.52, 0.09
HSL	47°, 72%, 67%
HSV	47°, 52%, 91%
XYZ	58.2193, 62.4461, 24.0237
YIQ	202.9440, 45.9910, -24.0330

# Conversions

## Conversions Part 2

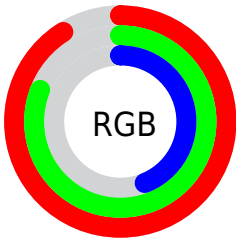
<b>Format</b>	<b>Color</b>
<b>RYB</b>	144, 232, 111
Decimal	15257199
CIELab	83.15, -2.74, 50.10
CIELCh	83, 50.170, 93.129
Yxy	62.4461, 0.4024, 0.4316
Android (android.graphics.Color)	4293447279 (0xFFE8CE6F)
YUV	202.9440, -45.3284, 25.4821
Hunter-Lab	79.0228, -6.7819, 37.2913

# Details

The XYZ color **58.2193, 62.4461, 24.0237** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **30.0665, 27.0962, 79.9892**, and the grayscale version is **56.9864, 59.9541, 65.2900**.

A 20% lighter version of the original color is **83.7915, 95.4966, 49.6137**, and **29.4732, 31.7709, 8.7167** is the 20% darker color. If you saturate the color by 10%, you get **55.9237, 59.6406, 17.7540**, and if you desaturate by 10%, it is **60.8877, 65.4663, 32.0555**.

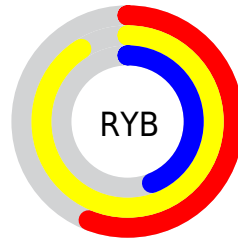
# Distribution



Red (91%)

Green (81%)

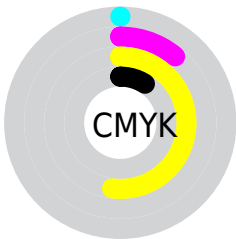
Blue (44%)



Red (56%)

Yellow (91%)

Blue (44%)

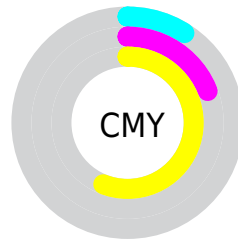


Cyan (0%)

Magenta (11%)

Yellow (52%)

Black (9%)



Cyan (9%)

Magenta (19%)


Yellow (56%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.2193, 62.4461, 24.0237 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 58.2193, 62.4461, 24.0237 by changing the saturation by 10% instead.





 58.2193, 62.4461,  
24.0237

 58.2193, 62.4461,  
24.0237


407.9433,  
433.5565, 286.2307


 42.2289, 45.3933,  
15.1388


 101.3633,  
108.3700, 51.0132


 29.4725, 31.7673,  
8.7692


 129.2476,  
138.0099, 69.9549

 19.5846, 21.1838,  
4.4962


 161.8272,  
172.6142, 93.0860

 12.2000, 13.2584,  
1.9013

 199.4676,  
212.5673, 120.8249

 6.9532, 7.6067,  
0.4936

242.5340,  
258.2538, 153.5904

 3.4789, 3.8444,  
0.0000

291.3919,

 1.4118, 1.5869,

310.0578, 191.8008

0.0000

346.4065,  
368.3639, 235.8747

■ 0.2646, 0.3487,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 58.2193, 62.4461,  
24.0237

■ 58.2193, 62.4461,  
24.0237

■ 55.9237, 59.6406,  
17.7540

■ 60.8877, 65.4663,  
32.0555

■ 53.9698, 57.0298,  
13.1042


■ 63.9481, 68.7023,  
41.9692


■ 52.3285, 54.6038,  
9.9164


■ 67.4238, 72.1665,  
53.8784


■ 50.9631, 52.3473,  
7.9990


■ 71.3347, 75.8672,  
67.8867


 50.0393, 50.6770,  
7.1443

 75.6994, 79.8125,  
84.0904

 80.5354, 84.0099,  
102.5799

 82.7527, 87.2238,  
107.0821

 84.2475, 90.2134,  
107.5803

 85.7829, 93.2842,  
108.0922

# Harmonies

## Analogous

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



69.3109, 62.4461, 27.3524



58.2193, 62.4461, 24.0237



48.6463, 62.4461, 29.1723

# Triad

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



58.2193, 62.4461, 24.0237



43.5127, 62.4461, 106.2396



80.0200, 62.4461, 98.7983

# Complementary

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



58.2193, 62.4461, 24.0237



30.0665, 27.0962, 79.9892

# 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.



71.5259, 62.4461, 131.4568



58.2193, 62.4461, 24.0237



50.3979, 62.4461, 136.5943

# Square

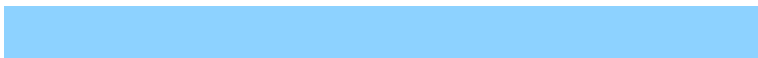
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



58.2193, 62.4461, 24.0237



40.8323, 62.4461, 71.3140



60.5016, 62.4461, 146.9964



82.7671, 62.4461, 64.7771



# Rectangle

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



58.2193, 62.4461, 24.0237



44.1522, 62.4461, 38.0278



60.5016, 62.4461, 146.9964



77.6950, 62.4461, 110.6088

# Sweetspot

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



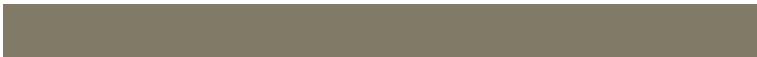
58.2208, 62.4490, 24.0250



86.4304, 92.1798, 76.9894



43.4944, 30.3376, 27.3126



18.2850, 19.5271, 15.7098



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.



58.2208, 62.4490, 24.0250



68.9975, 73.5172, 21.2259



54.9402, 70.8283, 25.8152



15.3251, 16.2640, 15.2360



27.8755, 28.3251, 3.9981



2.1255, 2.2243, 0.3173



# Inverse Universe

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



30.0665, 27.0962, 79.9892



30.5342, 25.2825, 97.8784



31.9775, 23.2413, 79.1444



13.8326, 14.3865, 18.1922



8.7905, 4.6430, 42.8161



0.7167, 0.4774, 3.1863



# Previews

## White Background



This preview shows how the XYZ color 58.2193, 62.4461, 24.0237 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

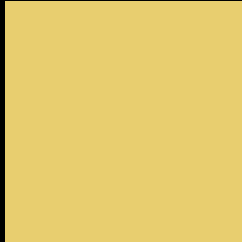
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 58.2193, 62.4461, 24.0237 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 58.2193, 62.4461, 24.0237**

## **Background**



This preview shows how black text looks on a background with the XYZ color 58.2193, 62.4461, 24.0237.



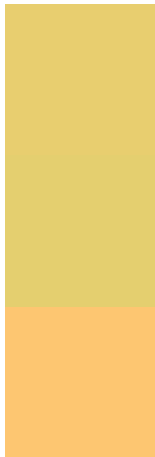
This preview shows how white text looks on a background with the XYZ color 58.2193, 62.4461,



# 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

58.2193, 62.4461, 24.0237

### Protanopia

57.1770, 62.2673, 24.0442

### Deuteranopia

63.6827, 62.4631, 24.3229



## Tritanopia

67.4236, 62.3841, 69.4605

# Trichromacy



## Original Color

58.2193, 62.4461, 24.0237

## Protanomaly

57.4952, 62.4314, 24.0591

## Deuteranomaly

61.4675, 62.3556, 24.1254

## Tritanomaly

63.3233, 62.0800, 48.6895

# Monochromacy



## Original Color

58.2193, 62.4461, 24.0237

## Achromatopsia

56.7640, 59.7202, 65.0353

## Achromatomaly

56.5801, 60.3842, 46.7034

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.2193, 62.4461, 24.0237 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(232, 206, 111)` looks like.

```
.text, #text, p{  
    color:rgb(232, 206, 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(232, 206, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 206, 111) }
```

## Border

The CSS property to change the border of an element to XYZ 58.2193, 62.4461, 24.0237 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(232, 206, 111) }
```



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

```
.border{ border-color:rgb(232, 206, 111) }
```

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

Here you see how a box with a 4 pixel rgb(232, 206, 111) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 206, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 206, 111);  
box-shadow:4px 4px 4px 4px rgb(232, 206,  
111) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.2193, 62.4461, 24.0237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 206, 111) }
```

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

```
.background{ background-color: rgb(232,  
206, 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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