

Converting Colors

XYZ(58.9630, 62.8213, 22.7455)

Have a look what the booklet for
XYZ(58.9630, 62.8213, 22.7455)
contains.

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Color

**XYZ(58.9338, 62.8454,
22.6599)**

Conversions

Conversions Part 1

Format	Color
Hex	EBCE6A
RGB	235, 206, 106
RGB Percent	92%, 81%, 42%
CMY	0.0784, 0.1921, 0.5843
CMYK	0.00, 0.12, 0.55, 0.08
HSL	47°, 76%, 67%
HSV	47°, 55%, 92%
XYZ	58.9338, 62.8454, 22.6599
YIQ	203.2710, 49.3840, -24.9520

Conversions

Conversions Part 2

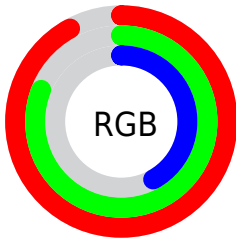
Format	Color
RYB	143, 235, 106
Decimal	15453802
CIELab	83.36, -1.92, 52.79
CIElCh	83, 52.826, 92.081
Yxy	62.8454, 0.4080, 0.4351
Android (android.graphics.Color)	4293643882 (0xFFEBCE6A)
YUV	203.2710, -47.9546, 27.8263
Hunter-Lab	79.2751, -6.0329, 38.5452

Details

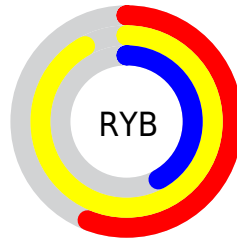
The XYZ color **58.9338, 62.8454, 22.6599** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **29.6030, 26.3894, 82.1304**, and the grayscale version is **57.2069, 60.1861, 65.5426**.

A 20% lighter version of the original color is **83.3452, 95.3181, 47.2632**, and **30.0256, 32.0699, 8.0976** is the 20% darker color. If you saturate the color by 10%, you get **56.6255, 59.9239, 16.6653**, and if you desaturate by 10%, it is **61.6227, 65.9923, 30.4345**.

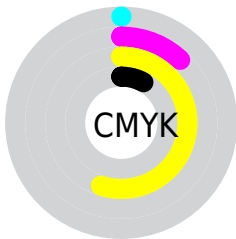
Distribution



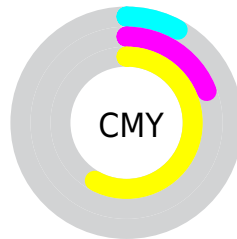
- Red (92%)
- Green (81%)
- Blue (42%)



- Red (56%)
- Yellow (92%)
- Blue (42%)



- Cyan (0%)
- Magenta (12%)
- Yellow (55%)
- Black (8%)



- Cyan (8%)
- Magenta (19%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.9338, 62.8454, 22.6599 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 58.9338, 62.8454, 22.6599 by changing the saturation by 10% instead.

■ 58.9338, 62.8454,
22.6599

■ 58.9338, 62.8454,
22.6599

410.5545,
435.0082, 279.0384

■ 42.8060, 45.7162,
14.1396

■ 102.3966,
108.9464, 48.7504

■ 29.9268, 32.0219,
8.0780

■ 130.4623,
138.6870, 67.1577

■ 19.9308, 21.3782,
4.0564

■ 163.2381,
173.4002, 89.6977

■ 12.4527, 13.4007,
1.6563

■ 201.0892,
213.4703, 116.7891

■ 7.1272, 7.7051,
0.3306

244.3811,
259.2817, 148.8503

■ 3.5888, 3.9068,
0.0000

293.4790,

■ 1.4722, 1.6216,

311.2189, 186.2999

0.0000

348.7484,
369.6663, 229.5564

■ 0.3068, 0.3721,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 58.9338, 62.8454,
22.6599

■ 58.9338, 62.8454,
22.6599

■ 56.6255, 59.9239,
16.6653

■ 61.6227, 65.9923,
30.4345

■ 54.6647, 57.2067,
12.2989


■ 64.7130, 69.3664,
40.1165


■ 53.0200, 54.6830,
9.3900


■ 68.2291, 72.9805,
51.8262


■ 51.6508, 52.3359,
7.7275


■ 72.1921, 76.8437,
65.6726


 51.0259, 51.1921,
7.1917

 76.6217, 80.9644,
81.7572

 81.5363, 85.3507,
100.1747

 84.3552, 88.9709,
107.3348

 85.9586, 92.1776,
107.8693

 87.6078, 95.4760,
108.4190

Harmonies

Analogous

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



70.6911, 62.8454, 26.3505



58.9338, 62.8454, 22.6599



48.7458, 62.8454, 27.5857

Triad

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



58.9338, 62.8454, 22.6599



42.8939, 62.8454, 107.8546



81.4689, 62.8454, 102.5528

Complementary

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



58.9338, 62.8454, 22.6599



29.6030, 26.3894, 82.1304

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.



72.2576, 62.8454, 137.2971



58.9338, 62.8454, 22.6599



49.9696, 62.8454, 140.9856

Square

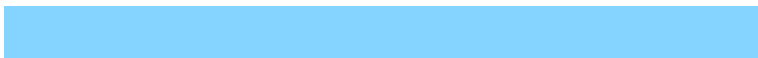
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



58.9338, 62.8454, 22.6599



40.2551, 62.8454, 70.7520



60.5387, 62.8454, 153.1836



84.6556, 62.8454, 66.1554

Rectangle

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



58.9338, 62.8454, 22.6599



43.9378, 62.8454, 36.4324



60.5387, 62.8454, 153.1836



78.9208, 62.8454, 115.1676

Sweetspot

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



58.9353, 62.8484, 22.6612



86.3072, 91.9333, 76.9484



43.8664, 29.7512, 26.7612



18.2554, 19.4679, 15.7000



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.



58.9353, 62.8484, 22.6612



67.8055, 71.6580, 19.2103



56.2900, 72.8193, 24.7252



16.0481, 17.0193, 15.9579



28.4981, 28.6905, 4.0358



2.3081, 2.3935, 0.3403

Inverse Universe

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



29.6030, 26.3894, 82.1304



29.2264, 23.7796, 97.6573



31.0328, 21.9172, 81.1918



14.5058, 15.0980, 19.0719



9.1280, 4.9030, 44.2082



0.7872, 0.5259, 3.4949

Previews

White Background



This preview shows how the XYZ color 58.9338, 62.8454, 22.6599 looks on a white background.

Color Contrast Check

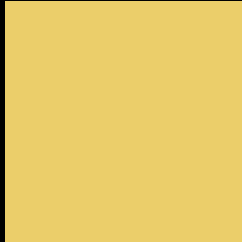
Large Text (above 18pt) WCAG AA × Fail

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 58.9338, 62.8454, 22.6599 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 58.9338, 62.8454, 22.6599

Background



This preview shows how black text looks on a background with the XYZ color 58.9338, 62.8454, 22.6599.



This preview shows how white text looks on a background with the XYZ color 58.9338, 62.8454,

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

58.9338, 62.8454, 22.6599

Protanopia

57.5228, 62.8313, 23.0058

Deuteranopia

64.1409, 62.7309, 22.9150



Tritanopia

68.2329, 62.4698, 69.4344

Trichromacy



Original Color

58.9338, 62.8454, 22.6599

Protanomaly

57.9217, 62.6761, 22.9548

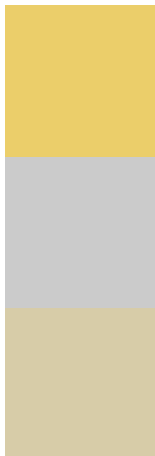
Deuteranomaly

62.2519, 62.7913, 22.7488

Tritanomaly

63.9161, 62.0675, 47.6412

Monochromacy



Original Color

58.9338, 62.8454, 22.6599

Achromatopsia

56.7640, 59.7202, 65.0353

Achromatomaly

56.6851, 60.4600, 45.7281

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.9338, 62.8454, 22.6599 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(235, 206, 106)` looks like.

```
.text, #text, p{  
    color:rgb(235, 206, 106)  
}
```

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(235, 206, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 206, 106) }
```

Border

The CSS property to change the border of an element to XYZ 58.9338, 62.8454, 22.6599 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(235, 206, 106) }
```


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

```
.border{ border-color:rgb(235, 206, 106) }
```

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

Here you see how a box with a 4 pixel rgb(235, 206, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 206, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 206, 106);  
box-shadow:4px 4px 4px 4px rgb(235, 206,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 58.9338, 62.8454, 22.6599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 206, 106) }
```

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

```
.background{ background-color: rgb(235,  
206, 106) }
```

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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