

Converting Colors

XYZ(58.0152, 61.3333, 21.3512)

Have a look what the booklet for
XYZ(58.0152, 61.3333, 21.3512)
contains.

XYZ(58.0152, 61.3333, 21.3512)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(58.0152, 61.3333,
21.3512)**

Conversions

Conversions Part 1

Format	Color
Hex	EBCB66
RGB	235, 203, 102
RGB Percent	92%, 80%, 40%
CMY	0.0784, 0.2039, 0.6000
CMYK	0.00, 0.14, 0.57, 0.08
HSL	46°, 77%, 66%
HSV	46°, 57%, 92%
XYZ	58.0152, 61.3333, 21.3512
YIQ	201.0540, 51.4930, -24.6270

Conversions

Conversions Part 2

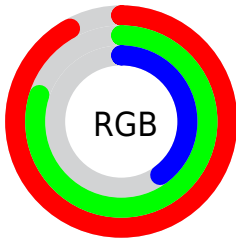
Format	Color
RYB	144, 235, 102
Decimal	15453030
CIELab	82.56, -0.68, 53.73
CIELCh	83, 53.737, 90.727
Yxy	61.3333, 0.4123, 0.4359
Android (android.graphics.Color)	4293643110 (0xFFEBCB66)
YUV	201.0540, -48.8336, 29.7706
Hunter-Lab	78.3156, -4.8217, 38.6567

Details

The XYZ color **58.0152, 61.3333, 21.3512** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **28.9999, 25.8724, 82.0625**, and the grayscale version is **55.8231, 58.7303, 63.9573**.

A 20% lighter version of the original color is **83.0008, 95.1803, 45.4495**, and **29.2277, 30.9553, 7.4521** is the 20% darker color. If you saturate the color by 10%, you get **55.7006, 58.3124, 15.6223**, and if you desaturate by 10%, it is **60.7117, 64.5895, 28.8381**.

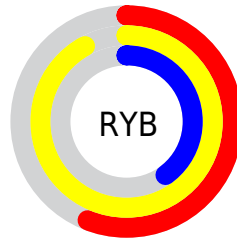
Distribution



Red (92%)

Green (80%)

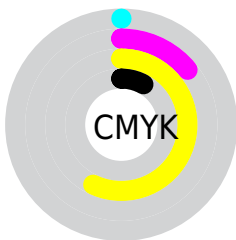
Blue (40%)



Red (56%)

Yellow (92%)

Blue (40%)

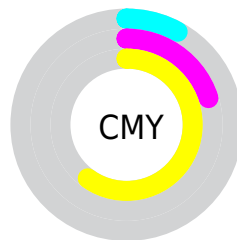


Cyan (0%)

Magenta (14%)

Yellow (57%)

Black (8%)



Cyan (8%)

Magenta (20%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.0152, 61.3333, 21.3512 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 58.0152, 61.3333, 21.3512 by changing the saturation by 10% instead.

■ 58.0152, 61.3333,
21.3512

■ 58.0152, 61.3333,
21.3512

407.1955,
429.4950, 271.9812

■ 42.0642, 44.4942,
13.1872

■ 101.0678,
106.7614, 46.5597

■ 29.3429, 31.0592,
7.4254

■ 128.9002,
136.1192, 64.4412

■ 19.4859, 20.6439,
3.6471

■ 161.4236,
170.4186, 86.3990

■ 12.1280, 12.8640,
1.4338

■ 199.0036,
210.0442, 112.8517

■ 6.9037, 7.3350,
0.1679

242.0054,
255.3802, 144.2177

■ 3.4478, 3.6724,
0.0000

290.7944,

■ 1.3947, 1.4921,

306.8111, 180.9156

0.0000

345.7360,
364.7212, 223.3639

■ 0.2525, 0.2831,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 58.0152, 61.3333,
21.3512

■ 58.0152, 61.3333,
21.3512

■ 55.7006, 58.3124,
15.6223

■ 60.7117, 64.5895,
28.8381

■ 53.7343, 55.5055,
11.4964


■ 63.8116, 68.0835,
38.2132


■ 52.0836, 52.9011,
8.7972

■ 67.3398, 71.8283,
49.5985


■ 50.7055, 50.4812,
7.3012


■ 71.3178, 75.8333,
63.1048


 50.2746, 49.6895,
6.9413

 75.7654, 80.1073,
78.8345

 80.7015, 84.6583,
96.8836

 84.2354, 88.7311,
107.2949

 85.9494, 92.1593,
107.8662

 87.7160, 95.6925,
108.4551

Harmonies

Analogous

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



69.7954, 61.3333, 25.3592



58.0152, 61.3333, 21.3512



47.7070, 61.3333, 25.7831

Triad

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



58.0152, 61.3333, 21.3512



41.2718, 61.3333, 104.6658



79.8003, 61.3333, 102.7982

Complementary

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



58.0152, 61.3333, 21.3512



28.9999, 25.8724, 82.0625

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.



70.3451, 61.3333, 137.3898



58.0152, 61.3333, 21.3512



48.1336, 61.3333, 138.6943

Square

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



58.0152, 61.3333, 21.3512



38.8550, 61.3333, 67.5887



58.5766, 61.3333, 152.2766



83.3317, 61.3333, 65.9808

Rectangle

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



58.0152, 61.3333, 21.3512



42.7921, 61.3333, 34.1687



58.5766, 61.3333, 152.2766



77.1529, 61.3333, 115.4512

Sweetspot

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



58.0167, 61.3362, 21.3524



85.6025, 91.0418, 75.1172



43.4035, 28.9219, 26.3098



18.1072, 19.2736, 15.3362



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.



58.0167, 61.3362, 21.3524



66.6143, 69.5960, 17.8255



56.3964, 72.8977, 23.6694



16.0271, 16.9772, 15.9509



28.0842, 27.8626, 3.8978



2.2788, 2.3349, 0.3306

Inverse Universe

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



28.9999, 25.8724, 82.0625



28.6169, 23.2397, 97.5852



29.7793, 20.6733, 81.0179



14.5254, 15.1373, 19.0785



9.2298, 5.1065, 44.2422



0.7978, 0.5470, 3.4984

Previews

White Background



This preview shows how the XYZ color 58.0152, 61.3333, 21.3512 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 58.0152, 61.3333, 21.3512 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 58.0152, 61.3333, 21.3512

Background



This preview shows how black text looks on a background with the XYZ color 58.0152, 61.3333, 21.3512.



This preview shows how white text looks on a background with the XYZ color 58.0152, 61.3333,

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

58.0152, 61.3333, 21.3512

Protanopia

56.1980, 61.4528, 21.7316

Deuteranopia

62.7466, 61.3620, 21.6336



Tritanopia

67.0796, 60.9509, 66.6217

Trichromacy



Original Color

58.0152, 61.3333, 21.3512

Protanomaly

56.9126, 61.4649, 21.6963

Deuteranomaly

60.8776, 61.4190, 21.4784

Tritanomaly

62.8586, 60.5581, 45.4217

Monochromacy



Original Color

58.0152, 61.3333, 21.3512

Achromatopsia

55.5167, 58.4078, 63.6061

Achromatomaly

55.3526, 59.1038, 44.0881

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.0152, 61.3333, 21.3512 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, 203, 102)` looks like.

```
.text, #text, p{  
    color:rgb(235, 203, 102)  
}
```

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, 203, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 203, 102) }
```

Border

The CSS property to change the border of an element to XYZ 58.0152, 61.3333, 21.3512 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, 203, 102) }
```


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

```
.border{ border-color:rgb(235, 203, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 203, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(235, 203, 102); -webkit-box-shadow:4px 4px 4px 4px rgb(235, 203, 102); box-shadow:4px 4px 4px 4px rgb(235, 203, 102) }
```

Background

The CSS property to change the background color of an element to XYZ 58.0152, 61.3333, 21.3512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 203, 102) }
```

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

```
.background{ background-color: rgb(235,  
203, 102) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor