

Converting Colors

XYZ(51.4142, 52.6327, 13.9125)

Have a look what the booklet for
XYZ(51.4142, 52.6327, 13.9125)
contains.

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Color

**XYZ(51.6395, 52.8581,
13.9595)**

Conversions

Conversions Part 1

Format	Color
Hex	E6BB4A
RGB	230, 187, 74
RGB Percent	90%, 73%, 29%
CMY	0.0980, 0.2666, 0.7098
CMYK	0.00, 0.19, 0.68, 0.10
HSL	43°, 76%, 60%
HSV	43°, 68%, 90%
XYZ	51.6395, 52.8581, 13.9595
YIQ	186.9750, 61.9010, -26.0270

Conversions

Conversions Part 2

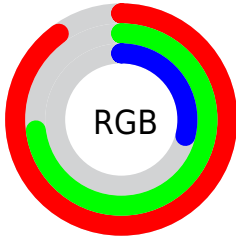
Format	Color
RYB	133, 230, 74
Decimal	15121226
CIELab	77.79, 3.72, 60.86
CIELCh	78, 60.975, 86.503
Yxy	52.8581, 0.4359, 0.4462
Android (android.graphics.Color)	4293311306 (0xFFE6BB4A)
YUV	186.9750, -55.6967, 37.7329
Hunter-Lab	72.7036, -0.4473, 39.5085

Details

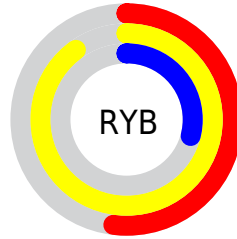
The XYZ color **51.6395, 52.8581, 13.9595** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted orange. A complement of this color would be **23.4680, 19.8909, 77.4649**, and the grayscale version is **47.5012, 49.9749, 54.4227**.

A 20% lighter version of the original color is **77.1869, 86.9197, 33.1311**, and **25.3860, 25.7347, 3.9771** is the 20% darker color. If you saturate the color by 10%, you get **49.6869, 49.9746, 10.1597**, and if you desaturate by 10%, it is **53.9371, 55.9787, 19.2723**.

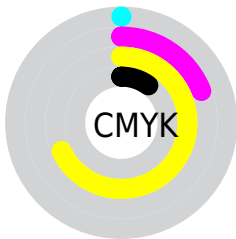
Distribution



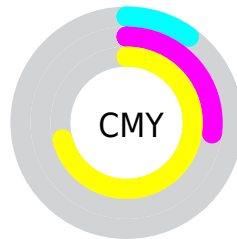
- Red (90%)
- Green (73%)
- Blue (29%)



- Red (52%)
- Yellow (90%)
- Blue (29%)



- Cyan (0%)
- Magenta (19%)
- Yellow (68%)
- Black (10%)



- Cyan (10%)
- Magenta (27%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.6395, 52.8581, 13.9595 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 51.6395, 52.8581, 13.9595 by changing the saturation by 10% instead.

51.6395, 52.8581,
13.9595

51.6395, 52.8581,
13.9595

383.3901,
397.7405, 228.3984

36.9409, 37.6895,
7.9541

91.7767, 94.3955,
33.7332

25.3352, 25.7418,
3.9782

117.9461,
121.5332, 48.3386

16.4570, 16.6306,
1.6134

148.6698,
153.4292, 66.6478

9.9410, 9.9715,
0.3004

184.3131,
190.4682, 89.0792

5.4218, 5.3800,
0.0000

225.2415,
233.0344, 116.0514

2.5341, 2.4719,
0.0000

271.8202,

0.9125, 0.8625,

281.5122, 147.9830

0.0000

324.4146,
336.2861, 185.2925

■ 0.0000, 0.0000,
0.0000

■ 51.6395, 52.8581,
13.9595

■ 51.6395, 52.8581,
13.9595

■ 49.6869, 49.9746,
10.1597

■ 53.9371, 55.9787,
19.2723

■ 48.0422, 47.3060,
7.6977

■ 56.6045, 59.3414,
26.2410

■ 46.6611, 44.8353,
6.3385

■ 59.6679, 62.9598,
34.9955

■ 46.3804, 44.3179,
6.1097

■ 63.1502, 66.8442,
45.6518

■ 67.0720, 71.0041,
58.3160

■ 71.4529, 75.4483,
73.0864

■ 76.3107, 80.1851,
90.0548

■ 81.1752, 85.0274,
106.7413

■ 83.0505, 88.7780,
107.3664

Harmonies

Analogous

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



63.8593, 52.8581, 18.5443



51.6395, 52.8581, 13.9595



40.7633, 52.8581, 16.7397

Triad

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



51.6395, 52.8581, 13.9595



32.5188, 52.8581, 91.7682



71.6812, 52.8581, 101.4800

Complementary

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



51.6395, 52.8581, 13.9595



23.4680, 19.8909, 77.4649

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.



61.0823, 52.8581, 137.6873



51.6395, 52.8581, 13.9595



38.7094, 52.8581, 130.7051

Square

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



51.6395, 52.8581, 13.9595



30.7944, 52.8581, 53.6728



48.8661, 52.8581, 150.0615



76.5174, 52.8581, 61.6168

Rectangle

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



51.6395, 52.8581, 13.9595



35.4881, 52.8581, 23.3656



48.8661, 52.8581, 150.0615



68.6003, 52.8581, 115.0026

Sweetspot

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



51.6407, 52.8607, 13.9605



83.5779, 88.4972, 69.8034



38.3640, 23.0337, 19.6266



17.5848, 18.6212, 13.9523



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.



51.6407, 52.8607, 13.9605



61.9939, 61.8992, 11.5255



52.3499, 68.8504, 17.0095



15.2482, 16.1102, 15.2104



26.3655, 25.3052, 3.4948



2.0251, 2.0235, 0.2838

Inverse Universe

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



23.4680, 19.8909, 77.4649



24.3802, 18.0393, 96.8047



22.8922, 13.7869, 76.3170



13.9045, 14.5304, 18.2161



9.1927, 5.4475, 42.9501



0.7553, 0.5546, 3.1992

Previews

White Background



This preview shows how the XYZ color 51.6395, 52.8581, 13.9595 looks on a white background.

Color Contrast Check

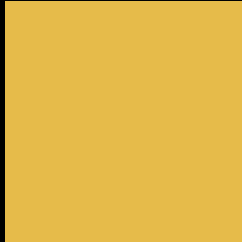
Large Text (above 18pt) WCAG AA × Fail

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 51.6395, 52.8581, 13.9595 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 51.6395, 52.8581, 13.9595

Background



This preview shows how black text looks on a background with the XYZ color 51.6395, 52.8581, 13.9595.



This preview shows how white text looks on a background with the XYZ color 51.6395, 52.8581,

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

51.6395, 52.8581, 13.9595

Protanopia

48.3988, 53.1088, 14.5376

Deuteranopia

54.1387, 52.9002, 14.0140



Tritanopia

60.1119, 52.6848, 55.1451

Trichromacy



Original Color

51.6395, 52.8581, 13.9595

Protanomaly

49.4160, 52.9852, 14.2793

Deuteranomaly

53.0026, 52.6218, 14.0201

Tritanomaly

55.9786, 52.1797, 34.7250

Monochromacy



Original Color

51.6395, 52.8581, 13.9595

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

47.5872, 50.3125, 34.3973

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.6395, 52.8581, 13.9595 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(230, 187, 74)` looks like.

```
.text, #text, p{  
    color:rgb(230, 187, 74)  
}
```

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(230, 187, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 187, 74) }
```

Border

The CSS property to change the border of an element to XYZ 51.6395, 52.8581, 13.9595 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(230, 187, 74) }
```


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

```
.border{ border-color:rgb(230, 187, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 187, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 187, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 187, 74);  
box-shadow:4px 4px 4px 4px rgb(230, 187,  
74) }
```

Background

The CSS property to change the background color of an element to XYZ 51.6395, 52.8581, 13.9595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 187, 74) }
```

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

```
.background{ background-color: rgb(230,  
187, 74) }
```

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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