

Converting Colors

XYZ(50.2438, 53.1395, 12.6214)

Have a look what the booklet for
XYZ(50.2438, 53.1395, 12.6214)
contains.

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Color

**XYZ(50.1081, 53.0559,
12.6009)**

Conversions

Conversions Part 1

Format	Color
Hex	E0BE41
RGB	224, 190, 65
RGB Percent	88%, 75%, 25%
CMY	0.1216, 0.2549, 0.7451
CMYK	0.00, 0.15, 0.71, 0.12
HSL	47°, 72%, 57%
HSV	47°, 71%, 88%
XYZ	50.1081, 53.0559, 12.6009
YIQ	185.9160, 60.3890, -31.6670

Conversions

Conversions Part 2

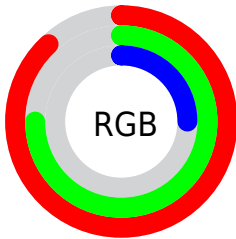
Format	Color
RYB	108, 224, 65
Decimal	14728769
CIELab	77.91, -0.86, 64.45
CIELCh	78, 64.452, 90.763
Yxy	53.0559, 0.4328, 0.4583
Android (android.graphics.Color)	4292918849 (0xFFE0BE41)
YUV	185.9160, -59.6116, 33.3997
Hunter-Lab	72.8395, -4.6745, 40.7307

Details

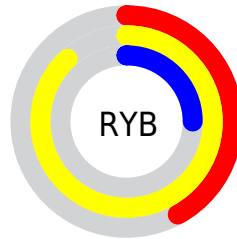
The XYZ color **50.1081, 53.0559, 12.6009** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted orange. A complement of this color would be **20.0964, 15.4290, 72.4395**, and the grayscale version is **46.9261, 49.3699, 53.7638**.

A 20% lighter version of the original color is **77.5859, 88.5276, 30.7676**, and **24.4627, 25.8907, 3.7081** is the 20% darker color. If you saturate the color by 10%, you get **48.5635, 50.8075, 9.4949**, and if you desaturate by 10%, it is **51.9464, 55.4805, 17.0746**.

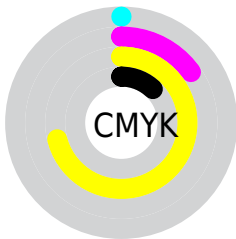
Distribution



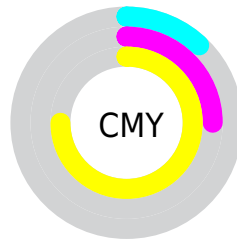
- Red (88%)
- Green (75%)
- Blue (25%)



- Red (42%)
- Yellow (88%)
- Blue (25%)



- Cyan (0%)
- Magenta (15%)
- Yellow (71%)
- Black (12%)



- Cyan (12%)
- Magenta (25%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.1081, 53.0559, 12.6009 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 50.1081, 53.0559, 12.6009 by changing the saturation by 10% instead.

50.1081, 53.0559,
12.6009

50.1081, 53.0559,
12.6009

377.5335,
398.4996, 219.4611

35.7174, 37.8474,
7.0268

89.5259, 94.6866,
31.2655

24.3852, 25.8643,
3.4002

115.2837,
121.8776, 45.1931

15.7459, 16.7221,
1.3024

145.5613,
153.8316, 62.7423

9.4342, 10.0366,
0.0638

180.7241,
190.9329, 84.3316

5.0848, 5.4232,
0.0000

221.1373,
233.5660, 110.3796

2.3324, 2.4977,
0.0000

267.1664,

0.8112, 0.8755,

282.1152, 141.3048

0.0000

319.1767,
336.9649, 177.5258

■ 0.0000, 0.0000,
0.0000

■ 50.1081, 53.0559,
12.6009

■ 50.1081, 53.0559,
12.6009

■ 48.5635, 50.8075,
9.4949

■ 51.9464, 55.4805,
17.0746

■ 47.2761, 48.7140,
7.5824

■ 54.1022, 58.0850,
23.0561

■ 46.2868, 46.9403,
6.6208

■ 56.6009, 60.8822,
30.6714

■ 59.4639, 63.8812,
40.0326

■ 62.7109, 67.0904,
51.2416

■ 66.3600, 70.5174,
64.3928

■ 70.4283, 74.1696,
79.5738

■ 74.9317, 78.0538,
96.8669

■ 77.9599, 81.4064,
106.2118

Harmonies

Analogous

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



63.1325, 53.0559, 16.0589



50.1081, 53.0559, 12.6009



39.0832, 53.0559, 16.4532

Triad

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



50.1081, 53.0559, 12.6009



32.4317, 53.0559, 100.7275



74.5039, 53.0559, 98.4411

Complementary

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



50.1081, 53.0559, 12.6009



20.0964, 15.4290, 72.4395

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.



63.7798, 53.0559, 139.6404



50.1081, 53.0559, 12.6009



39.5537, 53.0559, 141.3008

Square

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



50.1081, 53.0559, 12.6009



29.9728, 53.0559, 58.6920



50.7493, 53.0559, 157.8521



78.5533, 53.0559, 56.8555

Rectangle

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



50.1081, 53.0559, 12.6009



33.9769, 53.0559, 24.1967



50.7493, 53.0559, 157.8521



71.4812, 53.0559, 113.3166

Sweetspot

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



50.1093, 53.0585, 12.6020



84.0514, 89.9297, 68.4645



34.9047, 20.5378, 14.0428



17.7203, 18.9865, 13.7068



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.



50.1093, 53.0585, 12.6020



64.3107, 66.8351, 11.3659



46.1888, 63.2705, 14.7797



14.6101, 15.5061, 14.5297



27.0293, 27.4966, 3.8828



1.9363, 2.0314, 0.2901

Inverse Universe

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



20.0964, 15.4290, 72.4395



22.0750, 14.0697, 96.1600



21.7820, 12.4813, 71.7817



13.1884, 13.7159, 17.3400



8.5125, 4.4946, 41.4672



0.6553, 0.4420, 2.8960

Previews

White Background



This preview shows how the XYZ color 50.1081, 53.0559, 12.6009 looks on a white background.

Color Contrast Check

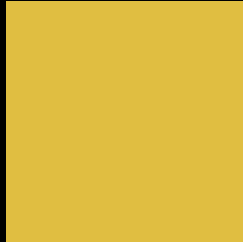
Large Text (above 18pt) WCAG AA × Fail

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 50.1081, 53.0559, 12.6009 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 50.1081, 53.0559, 12.6009

Background



This preview shows how black text looks on a background with the XYZ color 50.1081, 53.0559, 12.6009.

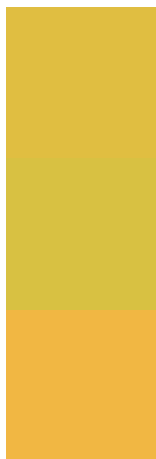


This preview shows how white text looks on a background with the XYZ color 50.1081, 53.0559,

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

50.1081, 53.0559, 12.6009

Protanopia

48.3722, 53.1322, 12.8603

Deuteranopia

54.2222, 52.9730, 12.6772



Tritanopia

59.2560, 53.0948, 56.4154

Trichromacy



Original Color

50.1081, 53.0559, 12.6009

Protanomaly

49.0464, 53.1527, 12.8287

Deuteranomaly

52.8032, 53.1733, 12.6347

Tritanomaly

54.4719, 52.3232, 34.0165

Monochromacy



Original Color

50.1081, 53.0559, 12.6009

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

46.4722, 49.7730, 32.7490

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.1081, 53.0559, 12.6009 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(224, 190, 65)` looks like.

```
.text, #text, p{  
    color:rgb(224, 190, 65)  
}
```

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(224, 190, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 190, 65) }
```

Border

The CSS property to change the border of an element to XYZ 50.1081, 53.0559, 12.6009 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(224, 190, 65) }
```


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

```
.border{ border-color:rgb(224, 190, 65) }
```

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

Here you see how a box with a 4 pixel rgb(224, 190, 65) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 190, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 190, 65);  
box-shadow:4px 4px 4px 4px rgb(224, 190,  
65) }
```

Background

The CSS property to change the background color of an element to XYZ 50.1081, 53.0559, 12.6009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 190, 65) }
```

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

```
.background{ background-color: rgb(224,  
190, 65) }
```

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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