

Converting Colors

XYZ(49.8401, 55.1294, 10.3988)

Have a look what the booklet for
XYZ(49.8401, 55.1294, 10.3988)
contains.

XYZ(49.9361, 55.3300, 10.4307)	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(49.9361, 55.3300,
10.4307)**

Conversions

Conversions Part 1

Format	Color
Hex	DCC52C
RGB	220, 197, 44
RGB Percent	86%, 77%, 17%
CMY	0.1373, 0.2274, 0.8274
CMYK	0.00, 0.10, 0.80, 0.14
HSL	52°, 72%, 52%
HSV	52°, 80%, 86%
XYZ	49.9361, 55.3300, 10.4307
YIQ	186.4350, 62.8210, -42.7070

Conversions

Conversions Part 2

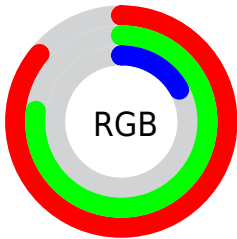
Format	Color
RYB	70, 220, 44
Decimal	14468396
CIELab	79.23, -7.02, 72.68
CIELCh	79, 73.017, 95.519
Yxy	55.3300, 0.4316, 0.4782
Android (android.graphics.Color)	4292658476 (0xFFDCC52C)
YUV	186.4350, -70.2205, 29.4365
Hunter-Lab	74.3841, -10.3403, 43.7548

Details

The XYZ color **49.9361, 55.3300, 10.4307** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light washed yellow. A complement of this color would be **15.9643, 9.7172, 68.7439**, and the grayscale version is **47.2752, 49.7372, 54.1638**.

A 20% lighter version of the original color is **78.8640, 92.5100, 26.7964**, and **24.6712, 27.5236, 4.0123** is the 20% darker color. If you saturate the color by 10%, you get **48.9810, 53.9157, 8.5846**, and if you desaturate by 10%, it is **51.1251, 56.8621, 13.4362**.

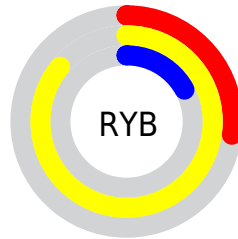
Distribution



Red (86%)

Green (77%)

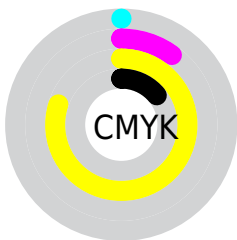
Blue (17%)



Red (27%)

Yellow (86%)

Blue (17%)

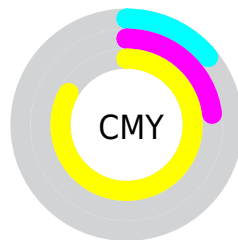


Cyan (0%)

Magenta (10%)

Yellow (80%)

Black (14%)



Cyan (14%)


Magenta (23%)


Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.9361, 55.3300, 10.4307 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 49.9361, 55.3300, 10.4307 by changing the saturation by 10% instead.


 49.9361, 55.3300,
10.4307

 49.9361, 55.3300,
10.4307


376.8721,
407.1616, 204.3142


 35.5802, 39.6660,
5.5761


 89.2726, 98.0243,
27.2229


 24.2788, 27.2782,
2.5245


 114.9839,
125.8234, 39.9976


 15.6664, 17.7823,
0.8531


 145.2111,
158.4362, 56.2494

 9.3777, 10.7938,
0.0000

 180.3194,
196.2473, 76.3969

 5.0475, 5.9283,
0.0000

 220.6744,
239.6410, 100.8586

 2.3102, 2.8016,
0.0000

 266.6412,

 0.7999, 1.0290,

289.0017, 130.0530

0.0000

318.5854,
344.7138, 164.3987

■ 0.0000, 0.0000,
0.0000

■ 49.9361, 55.3300,
10.4307

■ 49.9361, 55.3300,
10.4307

■ 48.9810, 53.9157,
8.5846

■ 51.1251, 56.8621,
13.4362

■ 48.2020, 52.5895,
7.6105

■ 52.5747, 58.5162,
17.7577

■ 48.2018, 52.5891,
7.6102

■ 54.3119, 60.3056,
23.5313

■ 56.3590, 62.2391,
30.8750

■ 58.7364, 64.3251,
39.8948

■ 61.4624, 66.5710,
50.6876

■ 64.5541, 68.9837,
63.3426

■ 68.0274, 71.5697,
77.9433

■ 71.8971, 74.3351,
94.5679

Harmonies

Analogous

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



65.0972, 55.3300, 12.7076



49.9361, 55.3300, 10.4307



37.9117, 55.3300, 15.6485

Triad

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



49.9361, 55.3300, 10.4307



32.8949, 55.3300, 120.0444



82.4890, 55.3300, 100.0654

Complementary

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



49.9361, 55.3300, 10.4307



15.9643, 9.7172, 68.7439

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.



70.6374, 55.3300, 152.1984



49.9361, 55.3300, 10.4307



41.7962, 55.3300, 166.9933

Square

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



49.9361, 55.3300, 10.4307



29.3093, 55.3300, 68.3110



55.3353, 55.3300, 180.8841



85.7617, 55.3300, 52.8403

Rectangle

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



49.9361, 55.3300, 10.4307



32.6819, 55.3300, 25.2372



55.3353, 55.3300, 180.8841



79.2815, 55.3300, 118.1640

Sweetspot

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



49.9374, 55.3326, 10.4318



84.2172, 91.6702, 64.1766



31.4433, 17.4283, 7.0915



17.7369, 19.3817, 12.5966



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.



49.9374, 55.3326, 10.4318



67.6881, 74.0667, 11.0217



39.6555, 58.3830, 11.5625



14.0096, 14.9585, 13.8745



28.3478, 30.9812, 4.4859



1.8777, 2.0896, 0.3044

Inverse Universe

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



15.9643, 9.7172, 68.7439



19.0122, 8.9548, 95.3341



20.0690, 10.1911, 68.6190



12.4751, 12.8900, 16.4827



7.8812, 3.6318, 40.0240



0.5563, 0.3266, 2.6082

Previews

White Background



This preview shows how the XYZ color 49.9361, 55.3300, 10.4307 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 49.9361, 55.3300, 10.4307 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 49.9361, 55.3300, 10.4307

Background



This preview shows how black text looks on a background with the XYZ color 49.9361, 55.3300, 10.4307.



This preview shows how white text looks on a background with the XYZ color 49.9361, 55.3300,

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

49.9361, 55.3300, 10.4307

Protanopia

50.2397, 55.4865, 10.4449

Deuteranopia

56.4711, 55.1137, 10.5674



Tritanopia

60.2885, 55.3471, 60.9316

Trichromacy



Original Color

49.9361, 55.3300, 10.4307

Protanomaly

50.2397, 55.4865, 10.4449

Deuteranomaly

53.8516, 55.0367, 10.4742

Tritanomaly

54.7586, 54.6791, 33.2592

Monochromacy



Original Color

49.9361, 55.3300, 10.4307

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

46.0052, 50.5539, 29.8874

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9361, 55.3300, 10.4307 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(220, 197, 44)` looks like.

```
.text, #text, p{  
    color:rgb(220, 197, 44)  
}
```

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(220, 197, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 197, 44) }
```

Border

The CSS property to change the border of an element to XYZ 49.9361, 55.3300, 10.4307 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(220, 197, 44) }
```


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

```
.border{ border-color:rgb(220, 197, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 197, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 197, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 197, 44);  
box-shadow:4px 4px 4px 4px rgb(220, 197,  
44) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9361, 55.3300, 10.4307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 197, 44) }
```

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

```
.background{ background-color: rgb(220,  
197, 44) }
```

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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