

Converting Colors

XYZ(55.1143, 50.0764, 20.3779)

Have a look what the booklet for
XYZ(55.1143, 50.0764, 20.3779)
contains.

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Color

**XYZ(55.0102, 49.9581,
20.3792)**

Conversions

Conversions Part 1

Format	Color
Hex	F5AC6A
RGB	245, 172, 106
RGB Percent	96%, 67%, 42%
CMY	0.0392, 0.3255, 0.5843
CMYK	0.00, 0.30, 0.57, 0.04
HSL	28°, 87%, 69%
HSV	28°, 57%, 96%
XYZ	55.0102, 49.9581, 20.3792
YIQ	186.3030, 64.6940, -5.0500

Conversions

Conversions Part 2

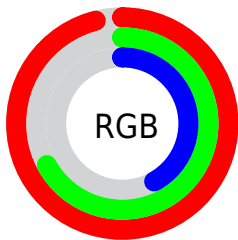
Format	Color
RYB	245, 232, 106
Decimal	16100458
CIELab	76.04, 19.94, 44.29
CIELCh	76, 48.575, 65.760
Yxy	49.9581, 0.4389, 0.3986
Android (android.graphics.Color)	4294290538 (0xFFF5AC6A)
YUV	186.3030, -39.5894, 51.4773
Hunter-Lab	70.6810, 15.2326, 32.3819

Details

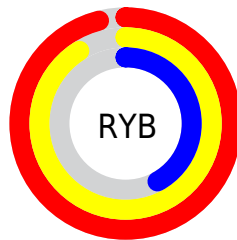
The XYZ color **55.0102, 49.9581, 20.3792** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **38.5445, 41.8950, 92.4408**, and the grayscale version is **47.0329, 49.4823, 53.8862**.

A 20% lighter version of the original color is **75.2414, 79.2500, 44.1320**, and **27.4379, 24.0328, 6.9340** is the 20% darker color. If you saturate the color by 10%, you get **51.5824, 44.8587, 13.8236**, and if you desaturate by 10%, it is **59.0413, 55.6822, 28.9321**.

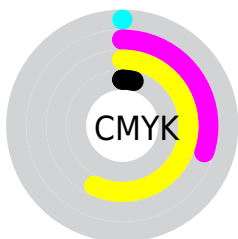
Distribution



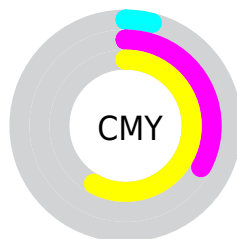
- Red (96%)
- Green (67%)
- Blue (42%)



- Red (96%)
- Yellow (91%)
- Blue (42%)



- Cyan (0%)
- Magenta (30%)
- Yellow (57%)
- Black (4%)





- Cyan (4%)
- Magenta (33%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.0102, 49.9581, 20.3792 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 55.0102, 49.9581, 20.3792 by changing the saturation by 10% instead.


 55.0102, 49.9581,
20.3792


 55.0102, 49.9581,
20.3792


396.0864,
386.5021, 266.6324

 39.6438, 35.3801,
12.4842

 96.7041, 90.1128,
44.9193


 27.4439, 23.9558,
6.9478


 123.7623,
116.4583, 62.4015

 18.0452, 15.3009,
3.3515

 155.4485,
147.4951, 83.9165

 11.0823, 9.0308,
1.2768

 192.1280,
183.6075, 109.8828

 6.1899, 4.7613,
0.0427

234.1662,
225.1801, 140.7191

 3.0027, 2.1079,
0.0000

281.9284,

 1.1552, 0.6691,

272.5971, 176.8437

0.0000

335.7800,
326.2429, 218.6753

■ 0.0705, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 55.0102, 49.9581,
20.3792

■ 55.0102, 49.9581,
20.3792

■ 51.5824, 44.8587,
13.8236

■ 59.0413, 55.6822,
28.9321

■ 48.7159, 40.3504,
9.0920


■ 63.7069, 62.0476,
39.6299


■ 46.3672, 36.4067,
5.9859


■ 69.0396, 69.0795,
52.6093


■ 44.4818, 32.9939,
4.2538

■ 75.0687, 76.7990,
67.9950

 43.9407, 31.9819,
3.8572

 81.8216, 85.2262,
85.9024

 89.3240, 94.3805,
106.4393

 91.4660, 98.1524,
108.7323

Harmonies

Analogous

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



63.0893, 49.9581, 30.1156



55.0102, 49.9581, 20.3792



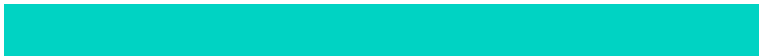
45.7546, 49.9581, 18.2969

Triad

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



55.0102, 49.9581, 20.3792



32.1587, 49.9581, 59.5646



58.4228, 49.9581, 105.8299

Complementary

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



55.0102, 49.9581, 20.3792



38.5445, 41.8950, 92.4408

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.



49.2557, 49.9581, 120.7650



55.0102, 49.9581, 20.3792



34.6903, 49.9581, 89.1190

Square

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



55.0102, 49.9581, 20.3792



33.2897, 49.9581, 36.3577



40.6770, 49.9581, 113.8365



65.2286, 49.9581, 77.5882

Rectangle

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



55.0102, 49.9581, 20.3792



40.2999, 49.9581, 20.6717



40.6770, 49.9581, 113.8365



55.4741, 49.9581, 112.9226

Sweetspot

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



55.0114, 49.9606, 20.3802



82.0024, 83.8416, 73.9172



51.0621, 33.0216, 46.9342



17.2549, 17.5691, 15.0521



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.



55.0114, 49.9606, 20.3802



56.0127, 48.3929, 14.2916



71.5256, 82.9890, 25.8849



17.1482, 17.7805, 17.3257



23.8084, 17.5025, 2.1235



2.1947, 1.7426, 0.2207

Inverse Universe

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



38.5445, 41.8950, 92.4408



36.3732, 38.7525, 100.1706



28.0702, 20.9463, 88.9493



16.3014, 17.3671, 21.0356



13.2236, 12.2410, 48.2038



1.2651, 1.2817, 4.2709

Previews

White Background



This preview shows how the XYZ color 55.0102, 49.9581, 20.3792 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 55.0102, 49.9581, 20.3792 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

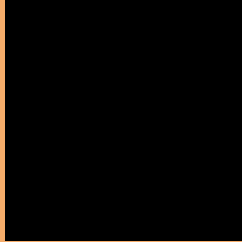
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 55.0102, 49.9581, 20.3792

Background



This preview shows how black text looks on a background with the XYZ color 55.0102, 49.9581, 20.3792.



This preview shows how white text looks on a background with the XYZ color 55.0102, 49.9581,

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

55.0102, 49.9581, 20.3792

Protanopia

46.3614, 50.2581, 22.5865

Deuteranopia

50.9319, 49.8977, 20.0435



Tritanopia

60.5363, 50.0095, 47.5365

Trichromacy



Original Color

55.0102, 49.9581, 20.3792

Protanomaly

49.0576, 49.7973, 21.7781

Deuteranomaly

52.3361, 49.7328, 20.2056

Tritanomaly

58.1160, 49.8283, 35.8329

Monochromacy



Original Color

55.0102, 49.9581, 20.3792

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

48.3418, 48.7475, 38.7596

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.0102, 49.9581, 20.3792 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(245, 172, 106)` looks like.

```
.text, #text, p{  
    color:rgb(245, 172, 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(245, 172, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 172, 106) }
```

Border

The CSS property to change the border of an element to XYZ 55.0102, 49.9581, 20.3792 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(245, 172, 106) }
```


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

```
.border{ border-color:rgb(245, 172, 106) }
```

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

Here you see how a box with a 4 pixel rgb(245, 172, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 172, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 172, 106);  
box-shadow:4px 4px 4px 4px rgb(245, 172,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 55.0102, 49.9581, 20.3792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 172, 106) }
```

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

```
.background{ background-color: rgb(245,  
172, 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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