

Converting Colors

XYZ(55.4389, 55.6434, 21.3281)

Have a look what the booklet for
XYZ(55.4389, 55.6434, 21.3281)
contains.

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Color

**XYZ(55.6070, 55.7004,
21.4561)**

Conversions

Conversions Part 1

Format	Color
Hex	ECBE6A
RGB	236, 190, 106
RGB Percent	93%, 75%, 42%
CMY	0.0745, 0.2549, 0.5843
CMYK	0.00, 0.19, 0.55, 0.07
HSL	39°, 77%, 67%
HSV	39°, 55%, 93%
XYZ	55.6070, 55.7004, 21.4561
YIQ	194.1780, 54.3800, -16.3720

Conversions

Conversions Part 2

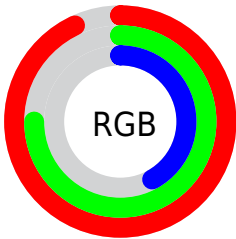
Format	Color
R_{YB}	177, 236, 106
Decimal	15515242
CIE _{Lab}	79.44, 6.79, 48.17
CIE _{LCh}	79, 48.649, 81.975
Yxy	55.7004, 0.4188, 0.4195
Android (android.graphics.Color)	4293705322 (0xFFECBE6A)
YUV	194.1780, -43.4718, 36.6779
Hunter-Lab	74.6327, 2.3888, 35.1977

Details

The XYZ color **55.6070, 55.7004, 21.4561** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **32.3118, 31.5754, 83.7480**, and the grayscale version is **51.6117, 54.2995, 59.1322**.

A 20% lighter version of the original color is **80.4538, 89.6747, 45.8695**, and **27.7667, 27.5143, 7.4618** is the 20% darker color. If you saturate the color by 10%, you get **52.7879, 51.7635, 15.2723**, and if you desaturate by 10%, it is **58.8700, 59.9849, 29.4549**.

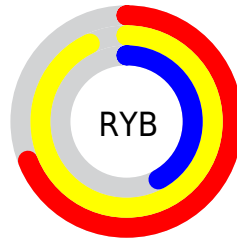
Distribution



Red (93%)

Green (75%)

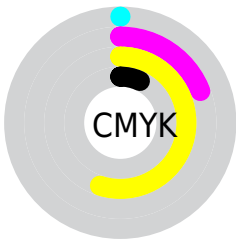
Blue (42%)



Red (69%)

Yellow (93%)

Blue (42%)

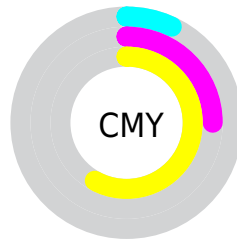


Cyan (0%)

Magenta (19%)

Yellow (55%)

Black (7%)



Cyan (7%)

Magenta (25%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.6070, 55.7004, 21.4561 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 55.6070, 55.7004, 21.4561 by changing the saturation by 10% instead.

■ 55.6070, 55.7004,
21.4561

■ 55.6070, 55.7004,
21.4561

398.3078,
408.5614, 272.5528

■ 40.1237, 39.9628,
13.2633

■ 97.5729, 98.5664,
46.7360

■ 27.8196, 27.5095,
7.4773

■ 124.7862,
126.4635, 64.6602

■ 18.3295, 17.9563,
3.6794

■ 156.6401,
159.1827, 86.6653

■ 11.2879, 10.9186,
1.4512

■ 193.5001,
197.1081, 113.1698

■ 6.3296, 6.0121,
0.1811

235.7316,
240.6243, 144.5922

■ 3.0890, 2.8524,
0.0000

283.6998,

■ 1.2010, 1.0552,

290.1157, 181.3512

0.0000

337.7701,
345.9666, 223.8652

■ 0.1072, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 55.6070, 55.7004,
21.4561

■ 55.6070, 55.7004,
21.4561

■ 52.7879, 51.7635,
15.2723

■ 58.8700, 59.9849,
29.4549

■ 50.3787, 48.1515,
10.7498


■ 62.5999, 64.6225,
39.3987


■ 48.3457, 44.8502,
7.7148


■ 66.8225, 69.6283,
51.4093


■ 46.6465, 41.8397,
5.9526


■ 71.5603, 75.0138,
65.5978

 45.9019, 40.4528,
5.3889

 76.8343, 80.7899,
82.0669

 82.6642, 86.9670,
100.9130

 86.3490, 92.4671,
107.9046

 88.4019, 96.5728,
108.5889

Harmonies

Analogous

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



65.3744, 55.7004, 27.3776



55.6070, 55.7004, 21.4561



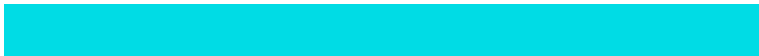
46.2197, 55.7004, 23.1924

Triad

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



55.6070, 55.7004, 21.4561



37.3645, 55.7004, 83.0857



69.1579, 55.7004, 100.1832

Complementary

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



55.6070, 55.7004, 21.4561



32.3118, 31.5754, 83.7480

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.



60.2855, 55.7004, 125.4551



55.6070, 55.7004, 21.4561



42.1943, 55.7004, 113.6550

Square

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



55.6070, 55.7004, 21.4561



36.4364, 55.7004, 53.4449



50.3627, 55.7004, 131.0251



73.8022, 55.7004, 68.4714

Rectangle

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



55.6070, 55.7004, 21.4561



41.3474, 55.7004, 28.8044



50.3627, 55.7004, 131.0251



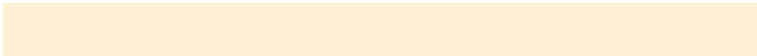
66.5227, 55.7004, 110.0702

Sweetspot

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



55.6083, 55.7031, 21.4572



84.1404, 88.1176, 74.6298



45.5512, 30.4634, 33.9062



17.7602, 18.5796, 15.2205



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.



55.6083, 55.7031, 21.4572



62.5654, 61.1778, 17.4636



61.7101, 76.0396, 25.0610



15.8776, 16.6781, 15.9011



25.4284, 22.5511, 3.0126



2.0867, 1.9508, 0.2666

Inverse Universe

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



32.3118, 31.5754, 83.7480



32.2692, 29.8651, 98.6715



28.5109, 20.6004, 81.8300



14.6672, 15.4209, 19.1257



10.1822, 7.0113, 44.5596



0.8873, 0.7261, 3.5283

Previews

White Background



This preview shows how the XYZ color 55.6070, 55.7004, 21.4561 looks on a white background.

Color Contrast Check

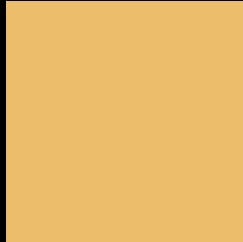
Large Text (above 18pt) WCAG AA × Fail

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 55.6070, 55.7004, 21.4561 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 55.6070, 55.7004, 21.4561

Background



This preview shows how black text looks on a background with the XYZ color 55.6070, 55.7004, 21.4561.



This preview shows how white text looks on a background with the XYZ color 55.6070, 55.7004,

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

55.6070, 55.7004, 21.4561

Protanopia

51.2883, 55.7669, 22.2483

Deuteranopia

56.9127, 55.7287, 21.6670



Tritanopia

63.3671, 55.7707, 58.4639

Trichromacy



Original Color

55.6070, 55.7004, 21.4561

Protanomaly

52.6861, 55.4924, 21.8442

Deuteranomaly

56.4480, 55.8075, 21.7067

Tritanomaly

59.9377, 55.5904, 41.7534

Monochromacy



Original Color

55.6070, 55.7004, 21.4561

Achromatopsia

51.2775, 53.9479, 58.7493

Achromatomaly

51.8860, 54.3039, 41.9294

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.6070, 55.7004, 21.4561 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(236, 190, 106)` looks like.

```
.text, #text, p{  
    color:rgb(236, 190, 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(236, 190, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 190, 106) }
```

Border

The CSS property to change the border of an element to XYZ 55.6070, 55.7004, 21.4561 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(236, 190, 106) }
```


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

```
.border{ border-color:rgb(236, 190, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 190, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 190, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 190, 106);  
box-shadow:4px 4px 4px 4px rgb(236, 190,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 55.6070, 55.7004, 21.4561 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 190, 106) }
```

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

```
.background{ background-color: rgb(236,  
190, 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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