

Converting Colors

XYZ(55.6681, 50.0268, 7.0150)

Have a look what the booklet for
XYZ(55.6681, 50.0268, 7.0150)
contains.

XYZ(55.6695, 50.0314, 7.0101)	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(55.6695, 50.0314,
7.0101)**

Conversions

Conversions Part 1

Format	Color
Hex	FFAA0A
RGB	255, 170, 10
RGB Percent	100%, 67%, 4%
CMY	0.0000, 0.3333, 0.9607
CMYK	0.00, 0.33, 0.96, 0.00
HSL	39°, 100%, 52%
HSV	39°, 96%, 100%
XYZ	55.6695, 50.0314, 7.0101
YIQ	177.1750, 102.0200, -31.7400

Conversions

Conversions Part 2

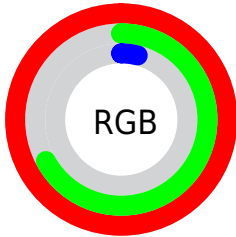
Format	Color
R _Y B	140, 255, 10
Decimal	16755210
CIE Lab	76.09, 21.41, 78.61
CIE LCh	76, 81.477, 74.768
Yxy	50.0314, 0.4939, 0.4439
Android (android.graphics.Color)	4294945290 (0xFFFFAA0A)
YUV	177.1750, -82.4173, 68.2525
Hunter-Lab	70.7329, 16.7038, 43.6370

Details

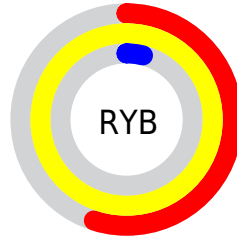
The XYZ color **55.6695, 50.0314, 7.0101** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle saturated orange. A complement of this color would be **22.2683, 15.4707, 96.4193**, and the grayscale version is **42.2667, 44.4678, 48.4255**.

A 20% lighter version of the original color is **69.7265, 75.7350, 19.1269**, and **28.2167, 24.1633, 3.1768** is the 20% darker color. If you saturate the color by 10%, you get **54.9727, 48.7260, 6.5077**, and if you desaturate by 10%, it is **57.6416, 53.5660, 8.9319**.

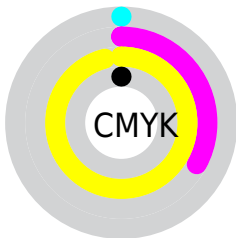
Distribution



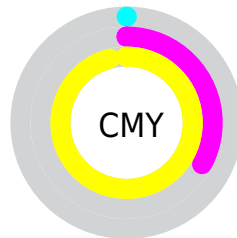
- Red (100%)
- Green (67%)
- Blue (4%)



- Red (55%)
- Yellow (100%)
- Blue (4%)



- Cyan (0%)
- Magenta (33%)
- Yellow (96%)
- Black (0%)





- Cyan (0%)
- Magenta (33%)
- Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.6695, 50.0314, 7.0101 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 55.6695, 50.0314, 7.0101 by changing the saturation by 10% instead.


 55.6695, 50.0314,
7.0101


 55.6695, 50.0314,
7.0101


398.5400,
386.7887, 177.3817

 40.1740, 35.4383,
3.3899

 97.6638, 90.2214,
20.5067

 27.8590, 24.0007,
1.2970


 124.8933,
116.5871, 31.2202


 18.3593, 15.3342,
0.0593


 156.7648,
147.6459, 45.1352

 11.3095, 9.0542,
0.0000

 193.6437,
183.7821, 62.6703

 6.3442, 4.7766,
0.0000

 235.8953,
225.3800, 84.2439

 3.0982, 2.1168,
0.0000

 283.8850,

 1.2059, 0.6740,

272.8242, 110.2747

0.0000

337.9781,
326.4990, 141.1811

■ 0.1110, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 55.6695, 50.0314,
7.0101

■ 55.6695, 50.0314,
7.0101

■ 54.9727, 48.7260,
6.5077

■ 57.6416, 53.5660,
8.9319

■ 60.0018, 57.4356,
12.3411

■ 62.8039, 61.6674,
17.5066

■ 66.0909, 66.2815,
24.6445

69.8997, 71.2960,
33.9392

74.2631, 76.7269,
45.5540

79.2107, 82.5892,
59.6361

84.7699, 88.8967,
76.3205

90.9661, 95.6624,
95.7324

Harmonies

Analogous

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



71.5206, 50.0314, 14.1878



55.6695, 50.0314, 7.0101



40.4728, 50.0314, 6.9653

Triad

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



55.6695, 50.0314, 7.0101



24.4858, 50.0314, 78.7709



71.3003, 50.0314, 138.3448

Complementary

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



55.6695, 50.0314, 7.0101



22.2683, 15.4707, 96.4193

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.



55.4149, 50.0314, 182.4670



55.6695, 50.0314, 7.0101



29.6457, 50.0314, 137.4510

Square

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



55.6695, 50.0314, 7.0101



24.5254, 50.0314, 35.2786



40.2671, 50.0314, 182.0729



81.7732, 50.0314, 79.6144

Rectangle

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



55.6695, 50.0314, 7.0101



32.7330, 50.0314, 10.5438



40.2671, 50.0314, 182.0729



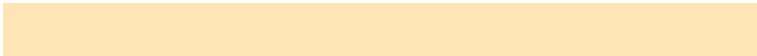
66.2830, 50.0314, 156.4913

Sweetspot

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



55.6706, 50.0340, 7.0110



77.7003, 80.8277, 55.2490



43.4487, 22.3174, 13.0264



16.1797, 16.7655, 10.5416



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.



55.6706, 50.0340, 7.0110



54.9732, 48.7265, 6.5077



64.8033, 86.4856, 13.5656



18.9997, 19.9675, 18.9971



28.8697, 25.7506, 3.4488



2.9131, 2.7117, 0.3699

Inverse Universe

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



22.2683, 15.4707, 96.4193



21.5782, 14.2764, 96.2261



19.3200, 8.0362, 95.1397



17.5183, 18.4082, 22.8798



11.4003, 7.7101, 50.3219



1.2075, 0.9456, 4.9322

Previews

White Background



This preview shows how the XYZ color 55.6695, 50.0314, 7.0101 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 55.6695, 50.0314, 7.0101 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 55.6695, 50.0314, 7.0101

Background



This preview shows how black text looks on a background with the XYZ color 55.6695, 50.0314, 7.0101.



This preview shows how white text looks on a background with the XYZ color 55.6695, 50.0314,

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

55.6695, 50.0314, 7.0101

Protanopia

45.4752, 50.4427, 8.0014

Deuteranopia

51.1803, 50.0179, 6.9569



Tritanopia

61.6067, 50.0792, 45.4490

Trichromacy



Original Color

55.6695, 50.0314, 7.0101

Protanomaly

48.8164, 49.9873, 7.5658

Deuteranomaly

52.6601, 49.9018, 6.9714

Tritanomaly

57.6758, 49.3625, 22.1109

Monochromacy



Original Color

55.6695, 50.0314, 7.0101

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

43.4653, 44.5122, 22.8238

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.6695, 50.0314, 7.0101 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(255, 170, 10)` looks like.

```
.text, #text, p{  
    color:rgb(255, 170, 10)  
}
```

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(255, 170, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 170, 10) }
```

Border

The CSS property to change the border of an element to XYZ 55.6695, 50.0314, 7.0101 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(255, 170, 10) }
```


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

```
.border{ border-color:rgb(255, 170, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 170, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 170, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 170, 10);  
box-shadow:4px 4px 4px 4px rgb(255, 170,  
10) }
```

Background

The CSS property to change the background color of an element to XYZ 55.6695, 50.0314, 7.0101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 170, 10) }
```

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

```
.background{ background-color: rgb(255,  
170, 10) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor