

Converting Colors

XYZ(88.0461, 67.4875, 50.8425)

Have a look what the booklet for
XYZ(88.0461, 67.4875, 50.8425)
contains.

XYZ(64.9020, 55.5653, 49.9523)	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(64.9020, 55.5653,
49.9523)**

Conversions

Conversions Part 1

Format	Color
Hex	FFB0B3
RGB	255, 176, 179
RGB Percent	100%, 69%, 70%
CMY	0.0000, 0.3098, 0.2980
CMYK	0.00, 0.31, 0.30, 0.00
HSL	358°, 100%, 85%
HSV	358°, 31%, 100%
XYZ	64.9020, 55.5653, 49.9523
YIQ	199.9630, 46.1210, 17.6810

Conversions

Conversions Part 2

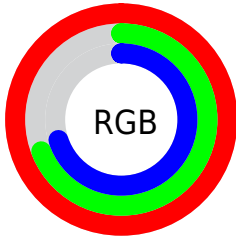
Format	Color
R _Y B	255, 176, 179
Decimal	16756915
CIE Lab	79.37, 29.24, 10.17
CIE LCh	79, 30.954, 19.186
Yxy	55.5653, 0.3808, 0.3260
Android (android.graphics.Color)	4294946995 (0xFFFFB0B3)
YUV	199.9630, -10.3348, 48.2674
Hunter-Lab	74.5421, 24.9668, 12.4480

Details

The XYZ color **64.9020, 55.5653, 49.9523** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **71.2374, 87.7794, 105.2882**, and the grayscale version is **54.9199, 57.7800, 62.9224**.

A 20% lighter version of the original color is **85.0920, 84.9714, 90.5135**, and **33.8748, 27.5426, 23.2695** is the 20% darker color. If you saturate the color by 10%, you get **58.0991, 45.5834, 36.5130**, and if you desaturate by 10%, it is **73.0882, 67.6071, 66.0318**.

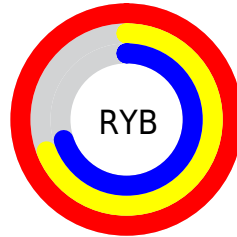
Distribution



Red (100%)

Green (69%)

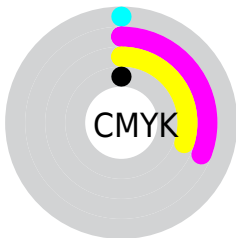
Blue (70%)



Red (100%)

Yellow (69%)

Blue (70%)

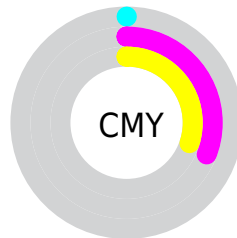


Cyan (0%)

Magenta (31%)

Yellow (30%)

Black (0%)



Cyan (0%)

Magenta (31%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.9020, 55.5653, 49.9523 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 64.9020, 55.5653, 49.9523 by changing the saturation by 10% instead.

64.9020, 55.5653,
49.9523

64.9020, 55.5653,
49.9523

431.9905,
408.0512, 403.2091

47.6460, 39.8545,
35.0046

110.9754, 98.3687,
91.4998

33.7567, 27.4251,
23.3828

140.5236,
126.2301, 118.9366

22.8688, 17.8928,
14.6685

174.8999,
158.9105, 151.3736

14.6168, 10.8730,
8.4430

214.4697,
196.7943, 189.2292

8.6355, 5.9815,
4.2879

259.5983,
240.2659, 232.9220

4.5594, 2.8338,
1.7846


310.6510,


2.0232, 1.0456,


289.7096, 282.8706


0.4178


367.9933,
345.5099, 339.4934


 0.6469, 0.0000,
0.0000

 0.0000, 0.0000,
0.0000


 64.9020, 55.5653,
49.9523


 64.9020, 55.5653,
49.9523


 58.0991, 45.5834,
36.5130


 73.0882, 67.6071,
66.0318

 52.5993, 37.5388,
25.5696

 82.7238, 81.8069,
84.8784

 48.3205, 31.3081,
16.9694

 93.8757, 98.2657,
106.6149

 45.1695, 26.7505,
10.5414

95.0500, 100.0000,
108.9000

■ 43.0398, 23.7044,
6.0915

■ 41.8046, 21.9763,
3.3909

■ 41.2930, 21.2812,
2.2089

Harmonies

Analogous

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



65.4206, 55.5653, 67.1414



64.9020, 55.5653, 49.9523



61.0015, 55.5653, 38.1500

Triad

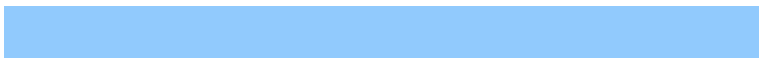
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



64.9020, 55.5653, 49.9523



44.2882, 55.5653, 40.8029



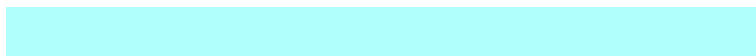
50.6060, 55.5653, 100.6530

Complementary

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



64.9020, 55.5653, 49.9523



71.2374, 87.7794, 105.2882

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.



45.3924, 55.5653, 90.2216



64.9020, 55.5653, 49.9523



41.9394, 55.5653, 54.3138

Square

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



64.9020, 55.5653, 49.9523



48.9884, 55.5653, 33.6272



42.3272, 55.5653, 72.4395



56.8319, 55.5653, 98.8512

Rectangle

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



64.9020, 55.5653, 49.9523



57.1672, 55.5653, 33.8523



42.3272, 55.5653, 72.4395



48.6860, 55.5653, 98.3912

Sweetspot

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



64.9034, 55.5679, 49.9534



84.8073, 84.8800, 88.9446



73.3784, 58.7917, 102.0882



17.8230, 17.6821, 18.3952



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.



64.9034, 55.5679, 49.9534



60.6452, 49.3161, 41.5522



72.5091, 71.2589, 51.0103



18.0373, 17.9982, 18.8135



21.5885, 11.1247, 1.2177



2.1114, 1.0869, 0.1679

Inverse Universe

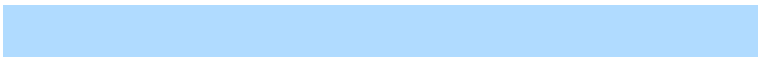
The Inverse Universe completely reimagines the original color for something new.



64.9034, 55.5679, 49.9534



60.6452, 49.3161, 41.5522



61.4058, 67.3505, 104.3713



18.0373, 17.9982, 18.8135



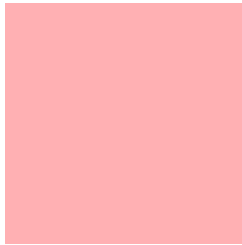
21.5885, 11.1247, 1.2177



2.1114, 1.0869, 0.1679

Previews

White Background



This preview shows how the XYZ color 64.9020, 55.5653, 49.9523 looks on a white background.

Color Contrast Check

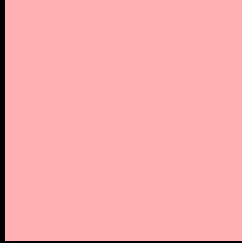
Large Text (above 18pt) WCAG AA × Fail

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 64.9020, 55.5653, 49.9523 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 64.9020, 55.5653, 49.9523

Background



This preview shows how black text looks on a background with the XYZ color 64.9020, 55.5653, 49.9523.



This preview shows how white text looks on a background with the XYZ color 64.9020, 55.5653,

49.9523.

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

64.9020, 55.5653, 49.9523

Protanopia

53.3913, 55.7541, 56.6628

Deuteranopia

56.9904, 55.8088, 48.8428



Tritanopia

65.6471, 55.5508, 54.8393

Trichromacy



Original Color

64.9020, 55.5653, 49.9523

Protanomaly

56.8793, 55.3125, 54.1329

Deuteranomaly

59.5457, 55.5344, 49.1758

Tritanomaly

65.3269, 55.4227, 53.1535

Monochromacy



Original Color

64.9020, 55.5653, 49.9523

Achromatopsia

54.8990, 57.7580, 62.8985

Achromatomaly

57.6604, 56.2830, 57.6938

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.9020, 55.5653, 49.9523 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, 176, 179)` looks like.

```
.text, #text, p{  
    color:rgb(255, 176, 179)  
}
```

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, 176, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 176, 179) }
```

Border

The CSS property to change the border of an element to XYZ 64.9020, 55.5653, 49.9523 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, 176, 179) }
```


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

```
.border{ border-color:rgb(255, 176, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 176, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 176, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 176, 179);  
box-shadow:4px 4px 4px 4px rgb(255, 176,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 64.9020, 55.5653, 49.9523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 176, 179) }
```

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

```
.background{ background-color: rgb(255,  
176, 179) }
```

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