

Converting Colors

XYZ(64.8170, 56.8048, 45.5784)

Have a look what the booklet for
XYZ(64.8170, 56.8048, 45.5784)
contains.

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Color

**XYZ(64.8170, 56.8048,
45.5784)**

Conversions

Conversions Part 1

Format	Color
Hex	FFB4AA
RGB	255, 180, 170
RGB Percent	100%, 71%, 67%
CMY	0.0000, 0.2941, 0.3333
CMYK	0.00, 0.29, 0.33, 0.00
HSL	7°, 100%, 83%
HSV	7°, 33%, 100%
XYZ	64.8170, 56.8048, 45.5784
YIQ	201.2850, 47.9100, 12.7900

Conversions

Conversions Part 2

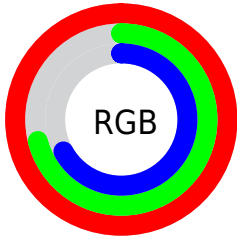
Format	Color
R _Y B	255, 181, 170
Decimal	16757930
CIE Lab	80.07, 26.01, 16.03
CIE LCh	80, 30.550, 31.641
Yxy	56.8048, 0.3877, 0.3397
Android (android.graphics.Color)	4294948010 (0xFFFFB4AA)
YUV	201.2850, -15.4235, 47.1081
Hunter-Lab	75.3690, 21.6136, 16.9034

Details

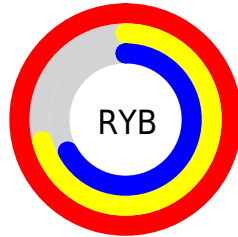
The XYZ color **64.8170, 56.8048, 45.5784** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **67.2787, 81.0679, 106.7095**, and the grayscale version is **55.7673, 58.6715, 63.8933**.

A 20% lighter version of the original color is **84.8261, 86.6871, 83.4956**, and **33.6243, 28.2225, 20.8148** is the 20% darker color. If you saturate the color by 10%, you get **58.4556, 47.5752, 32.6889**, and if you desaturate by 10%, it is **72.3863, 67.7012, 61.1799**.

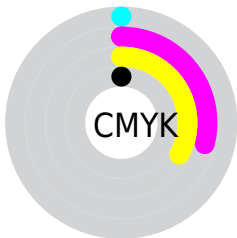
Distribution



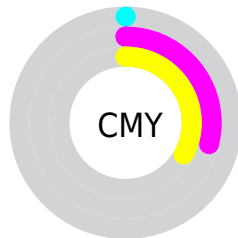
- Red (100%)
- Green (71%)
- Blue (67%)



- Red (100%)
- Yellow (71%)
- Blue (67%)



- Cyan (0%)
- Magenta (29%)
- Yellow (33%)
- Black (0%)





- Cyan (0%)
- Magenta (29%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.8170, 56.8048, 45.5784 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 64.8170, 56.8048, 45.5784 by changing the saturation by 10% instead.


 64.8170, 56.8048,
45.5784

 64.8170, 56.8048,
45.5784


431.6897,
412.7175, 385.3393

 47.5769, 40.8485,
31.5670


 110.8539,
100.1803, 84.9153

 33.7018, 28.2008,
20.7689


140.3814,
128.3684, 111.0779

 22.8264, 18.4770,
12.7656


174.7353,
161.4024, 142.1280

 14.5854, 11.2930,
7.1385

214.2811,
199.6670, 178.4840

 8.6133, 6.2643,
3.4691

259.3840,
243.5464, 220.5647

 4.5449, 3.0064,
1.3389

310.4096,

 2.0148, 1.1351,

293.4250, 268.7884

0.0933

367.7230,
349.6872, 323.5738

■ 0.6422, 0.0077,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 64.8170, 56.8048,
45.5784

■ 64.8170, 56.8048,
45.5784

■ 58.4556, 47.5752,
32.6889

■ 72.3863, 67.7012,
61.1799

■ 53.2352, 39.9226,
22.3532

■ 81.2174, 80.3328,
79.6327

■ 49.0888, 33.7607,
14.4019

■ 91.3660, 94.7735,
101.0704

■ 45.9407, 28.9919,
8.6437

95.0500, 100.0000,
108.9000

■ 43.7048, 25.5065,
4.8576

■ 42.2802, 23.1785,
2.7758

■ 41.7047, 22.1893,
2.0849

Harmonies

Analogous

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



66.8386, 56.8048, 60.8757



64.8170, 56.8048, 45.5784



59.8685, 56.8048, 36.3582

Triad

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



64.8170, 56.8048, 45.5784



44.1435, 56.8048, 46.9777



54.3343, 56.8048, 102.7544

Complementary

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



64.8170, 56.8048, 45.5784



67.2787, 81.0679, 106.7095

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.



48.5118, 56.8048, 97.1193



64.8170, 56.8048, 45.5784



42.9057, 56.8048, 62.8362

Square

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



64.8170, 56.8048, 45.5784



47.9619, 56.8048, 37.0505



44.4435, 56.8048, 81.5974



60.5058, 56.8048, 95.8010

Rectangle

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



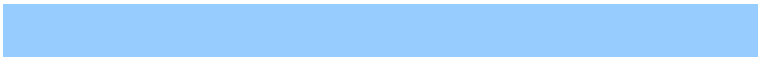
64.8170, 56.8048, 45.5784



55.7471, 56.8048, 33.7940



44.4435, 56.8048, 81.5974



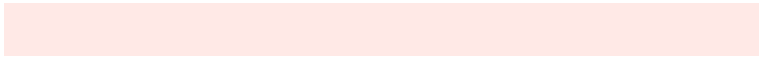
52.2727, 56.8048, 102.2649

Sweetspot

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



64.8184, 56.8075, 45.5795



84.4508, 84.9411, 86.4395



72.1092, 56.6076, 93.5788



17.7803, 17.7597, 17.8785



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.



64.8184, 56.8075, 45.5795



60.4460, 50.4725, 36.6933



74.7281, 76.6268, 48.8827



18.1815, 18.3313, 18.7243



21.8456, 11.7024, 1.1074



2.1796, 1.2445, 0.1253

Inverse Universe

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



67.2787, 81.0679, 106.7095



63.2356, 78.0897, 106.3477



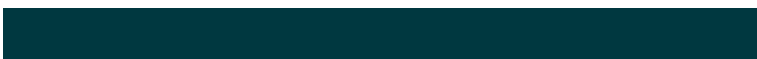
55.8857, 58.2819, 102.9118



18.3616, 20.0948, 23.1609



23.5708, 32.0512, 54.3788



2.3444, 3.2196, 5.3111

Previews

White Background



This preview shows how the XYZ color 64.8170, 56.8048, 45.5784 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 64.8170, 56.8048, 45.5784 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

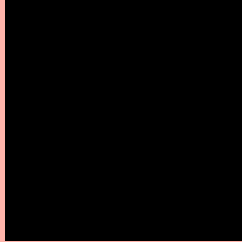
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.8170, 56.8048, 45.5784

Background



This preview shows how black text looks on a background with the XYZ color 64.8170, 56.8048, 45.5784.



This preview shows how white text looks on a background with the XYZ color 64.8170, 56.8048,

45.5784.

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

64.8170, 56.8048, 45.5784

Protanopia

54.0629, 56.9082, 50.7828

Deuteranopia

58.0118, 56.7468, 44.9415



Tritanopia

66.5644, 56.8624, 56.7574

Trichromacy



Original Color

64.8170, 56.8048, 45.5784

Protanomaly

57.2077, 56.2435, 48.9152

Deuteranomaly

60.1917, 56.5824, 45.2852

Tritanomaly

65.9073, 56.9191, 52.3125

Monochromacy



Original Color

64.8170, 56.8048, 45.5784

Achromatopsia

55.5167, 58.4078, 63.6061

Achromatomaly

58.1830, 57.2298, 56.6951

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.8170, 56.8048, 45.5784 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, 180, 170)` looks like.

```
.text, #text, p{  
    color:rgb(255, 180, 170)  
}
```

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, 180, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 180, 170) }
```

Border

The CSS property to change the border of an element to XYZ 64.8170, 56.8048, 45.5784 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, 180, 170) }
```


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

```
.border{ border-color:rgb(255, 180, 170) }
```

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

Here you see how a box with a 4 pixel rgb(255, 180, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 180, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 180, 170);  
box-shadow:4px 4px 4px 4px rgb(255, 180,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 64.8170, 56.8048, 45.5784 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 180, 170) }
```

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

```
.background{ background-color: rgb(255,  
180, 170) }
```

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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