

Converting Colors

XYZ(55.7643, 45.1881, 22.5572)

Have a look what the booklet for
XYZ(55.7643, 45.1881, 22.5572)
contains.

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Color

**XYZ(55.8421, 45.3268,
22.6354)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9975
RGB	255, 153, 117
RGB Percent	100%, 60%, 46%
CMY	0.0000, 0.4000, 0.5412
CMYK	0.00, 0.40, 0.54, 0.00
HSL	16°, 100%, 73%
HSV	16°, 54%, 100%
XYZ	55.8421, 45.3268, 22.6354
YIQ	179.3940, 72.3480, 10.4280

Conversions

Conversions Part 2

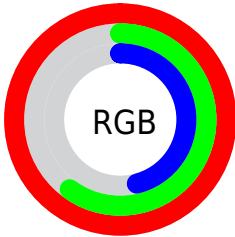
Format	Color
R _Y B	255, 166, 117
Decimal	16750965
CIE Lab	73.11, 34.69, 35.15
CIE LCh	73, 49.389, 45.378
Yxy	45.3268, 0.4511, 0.3661
Android (android.graphics.Color)	4294941045 (0xFFFF9975)
YUV	179.3940, -30.7602, 66.3065
Hunter-Lab	67.3252, 30.2357, 27.1937

Details

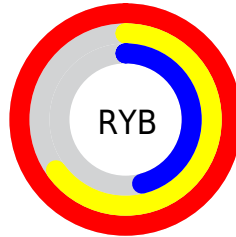
The XYZ color **55.8421, 45.3268, 22.6354** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **50.7162, 61.6618, 103.8362**, and the grayscale version is **43.1912, 45.4405, 49.4847**.

A 20% lighter version of the original color is **71.0516, 69.2740, 47.6566**, and **27.9452, 21.1940, 8.0868** is the 20% darker color. If you saturate the color by 10%, you get **51.6972, 39.1185, 14.8373**, and if you desaturate by 10%, it is **60.8848, 52.6774, 32.7478**.

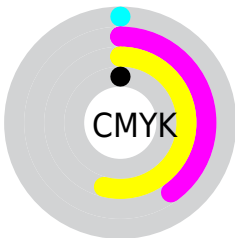
Distribution



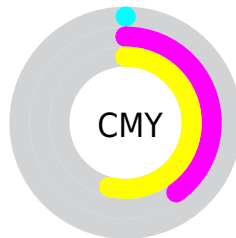
- Red (100%)
- Green (60%)
- Blue (46%)



- Red (100%)
- Yellow (65%)
- Blue (46%)



- Cyan (0%)
- Magenta (40%)
- Yellow (54%)
- Black (0%)





- Cyan (0%)
- Magenta (40%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.8421, 45.3268, 22.6354 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 55.8421, 45.3268, 22.6354 by changing the saturation by 10% instead.


 55.8421, 45.3268,
22.6354


 55.8421, 45.3268,
22.6354


399.1808,
368.0955, 278.9077

 40.3128, 31.7149,
14.1218

 97.9148, 83.2106,
48.7095

 27.9678, 21.1438,
8.0657


 125.1890,
108.2513, 67.1071

 18.4418, 13.2292,
4.0486


 157.1089,
137.8704, 89.6364

 11.3692, 7.5866,
1.6521

194.0398,
172.4522, 116.7160

 6.3849, 3.8316,
0.3276

236.3470,
212.3813, 148.7644

 3.1234, 1.5798,
0.0000

284.3961,

 1.2193, 0.3439,

258.0419, 186.2001

0.0000

338.5522,
309.8185, 229.4417

■ 0.1215, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 55.8421, 45.3268,
22.6354

■ 55.8421, 45.3268,
22.6354

■ 51.6972, 39.1185,
14.8373

■ 60.8848, 52.6774,
32.7478

■ 48.3898, 33.9865,
9.1641

■ 66.8734, 61.2182,
45.3382

■ 45.8570, 29.8678,
5.4006

■ 73.8564, 71.0025,
60.5580

■ 44.0236, 26.6894,
3.2833

■ 81.8780, 82.0782,
78.5460

■ 43.2193, 25.2189,
2.5898

■ 90.9795, 94.4907,
99.4310

95.0498, 99.9999,
108.9000

Harmonies

Analogous

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



61.1755, 45.3268, 37.7760



55.8421, 45.3268, 22.6354



47.4148, 45.3268, 16.1378

Triad

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



55.8421, 45.3268, 22.6354



28.9181, 45.3268, 38.2866



47.6413, 45.3268, 110.9424

Complementary

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



55.8421, 45.3268, 22.6354



50.7162, 61.6618, 103.8362

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.



39.0211, 45.3268, 111.2219



55.8421, 45.3268, 22.6354



28.9617, 45.3268, 63.0826

Square

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



55.8421, 45.3268, 22.6354



32.3020, 45.3268, 22.9009



32.4304, 45.3268, 91.5749



56.0269, 45.3268, 90.9051

Rectangle

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



55.8421, 45.3268, 22.6354



41.5426, 45.3268, 15.5139



32.4304, 45.3268, 91.5749



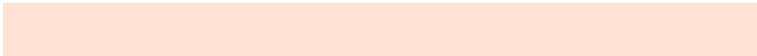
44.6585, 45.3268, 113.5271

Sweetspot

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



55.8432, 45.3291, 22.6362



80.2866, 79.8921, 74.9415



60.5859, 39.1767, 72.4265



16.8215, 16.6001, 15.2220



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.



55.8432, 45.3291, 22.6362



51.3725, 38.6230, 14.2537



70.1754, 73.9936, 27.4137



18.3947, 18.7575, 18.7954



22.6851, 13.3815, 1.3872



2.2929, 1.4712, 0.1631

Inverse Universe

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



50.7162, 61.6618, 103.8362



45.6758, 56.3200, 103.0712



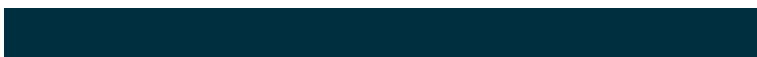
36.5337, 33.2968, 99.1087



18.1302, 19.6321, 23.0838



19.0081, 22.9258, 52.8579



1.9395, 2.4097, 5.1762

Previews

White Background



This preview shows how the XYZ color 55.8421, 45.3268, 22.6354 looks on a white background.

Color Contrast Check

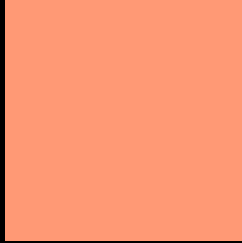
Large Text (above 18pt) WCAG AA × Fail

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 55.8421, 45.3268, 22.6354 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 55.8421, 45.3268, 22.6354

Background



This preview shows how black text looks on a background with the XYZ color 55.8421, 45.3268, 22.6354.



This preview shows how white text looks on a background with the XYZ color 55.8421, 45.3268,

22.6354.

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

55.8421, 45.3268, 22.6354

Protanopia

42.4657, 45.6704, 26.9992

Deuteranopia

46.3484, 45.4490, 21.9525



Tritanopia

58.2455, 45.2581, 38.4667

Trichromacy



Original Color

55.8421, 45.3268, 22.6354



Protanomaly

46.3317, 44.8036, 25.2748



Deuteranomaly

49.4474, 45.1141, 22.0213



Tritanomaly

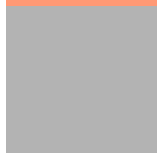
57.1804, 45.0863, 32.0743

Monochromacy



Original Color

55.8421, 45.3268, 22.6354



Achromatopsia

42.8472, 45.0786, 49.0906



Achromatomaly

46.1076, 44.4151, 37.5953

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.8421, 45.3268, 22.6354 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, 153, 117)` looks like.

```
.text, #text, p{  
    color:rgb(255, 153, 117)  
}
```

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, 153, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 153, 117) }
```

Border

The CSS property to change the border of an element to XYZ 55.8421, 45.3268, 22.6354 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, 153, 117) }
```


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

```
.border{ border-color:rgb(255, 153, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 153, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 153, 117); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 153, 117); box-shadow:4px 4px 4px 4px rgb(255, 153, 117) }
```

Background

The CSS property to change the background color of an element to XYZ 55.8421, 45.3268, 22.6354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 153, 117) }
```

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

```
.background{ background-color: rgb(255,  
153, 117) }
```

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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