

Converting Colors

XYZ(55.6760, 44.9971, 22.5782)

Have a look what the booklet for
XYZ(55.6760, 44.9971, 22.5782)
contains.

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Color

**XYZ(55.6791, 45.0008,
22.5810)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9875
RGB	255, 152, 117
RGB Percent	100%, 60%, 46%
CMY	0.0000, 0.4039, 0.5412
CMYK	0.00, 0.40, 0.54, 0.00
HSL	15°, 100%, 73%
HSV	15°, 54%, 100%
XYZ	55.6791, 45.0008, 22.5810
YIQ	178.8070, 72.6230, 10.9510

Conversions

Conversions Part 2

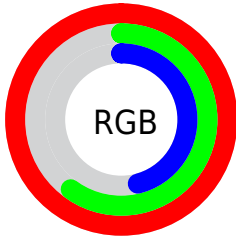
Format	Color
R_{YB}	255, 164, 117
Decimal	16750709
CIE _{Lab}	72.89, 35.21, 34.88
CIE _{LCh}	73, 49.559, 44.732
Yxy	45.0008, 0.4517, 0.3651
Android (android.graphics.Color)	4294940789 (0xFFFF9875)
YUV	178.8070, -30.4709, 66.8213
Hunter-Lab	67.0826, 30.7618, 27.0000

Details

The XYZ color **55.6791, 45.0008, 22.5810** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **50.9778, 62.1851, 103.9234**, and the grayscale version is **42.8761, 45.1090, 49.1237**.

A 20% lighter version of the original color is **70.8085, 68.7879, 47.5756**, and **27.8487, 21.0010, 8.0547** is the 20% darker color. If you saturate the color by 10%, you get **51.5341, 38.7923, 14.7828**, and if you desaturate by 10%, it is **60.7302, 52.3684, 32.6962**.

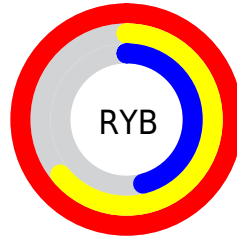
Distribution



Red (100%)

Green (60%)

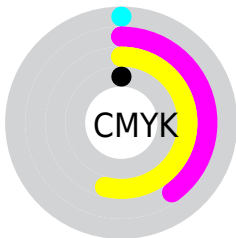
Blue (46%)



Red (100%)

Yellow (64%)

Blue (46%)

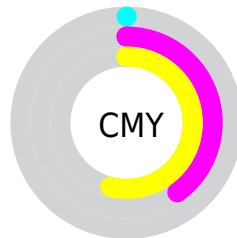


Cyan (0%)

Magenta (40%)

Yellow (54%)

Black (0%)



Cyan (0%)


Magenta (40%)


Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.6791, 45.0008, 22.5810 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 55.6791, 45.0008, 22.5810 by changing the saturation by 10% instead.


 55.6791, 45.0008,
22.5810


 55.6791, 45.0008,
22.5810


398.5757,
366.7768, 278.6174


 40.1817, 31.4581,
14.0820


 97.6778, 82.7216,
48.6188

 27.8651, 20.9479,
8.0383


 124.9097,
107.6685, 66.9948

 18.3639, 13.0859,
4.0314


 156.7839,
137.1855, 89.5002

 11.3128, 7.4877,
1.6426

193.6657,
171.6571, 116.5536

 6.3465, 3.7690,
0.3209

235.9204,
211.4676, 148.5734

 3.0996, 1.5452,
0.0000

283.9134,

 1.2066, 0.3202,

257.0015, 185.9783

0.0000

338.0100,
308.6431, 229.1868

■ 0.1116, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 55.6791, 45.0008,
22.5810

■ 55.6791, 45.0008,
22.5810

■ 51.5341, 38.7923,
14.7828

■ 60.7302, 52.3684,
32.6962

■ 48.2343, 33.6754,
9.1122

■ 66.7364, 60.9444,
45.2924

■ 45.7158, 29.5853,
5.3535

■ 73.7468, 70.7833,
60.5214

■ 43.9023, 26.4470,
3.2429

■ 81.8061, 81.9344,
78.5219

■ 43.1121, 25.0045,
2.5541

■ 90.9562, 94.4441,
99.4230

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.



60.9149, 45.0008, 37.8776



55.6791, 45.0008, 22.5810



47.2930, 45.0008, 15.9604

Triad

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



55.6791, 45.0008, 22.5810



28.6755, 45.0008, 37.5168



47.1328, 45.0008, 110.8429

Complementary

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



55.6791, 45.0008, 22.5810



50.9778, 62.1851, 103.9234

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.



38.5485, 45.0008, 110.6446



55.6791, 45.0008, 22.5810



28.6447, 45.0008, 62.1067

Square

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



55.6791, 45.0008, 22.5810



32.1222, 45.0008, 22.3938



32.0315, 45.0008, 90.6417



55.5483, 45.0008, 91.1166

Rectangle

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



55.6791, 45.0008, 22.5810



41.4173, 45.0008, 15.2536



32.0315, 45.0008, 90.6417



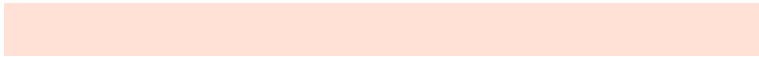
44.1557, 45.0008, 113.2740

Sweetspot

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



55.6802, 45.0031, 22.5818



80.2068, 79.7325, 74.9149



60.5859, 39.1766, 72.4265



16.8026, 16.5625, 15.2157



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.



55.6802, 45.0031, 22.5818



51.2098, 38.2976, 14.1995



70.1754, 73.9935, 27.4136



18.3838, 18.7357, 18.7918



22.6269, 13.2650, 1.3678



2.2860, 1.4573, 0.1608

Inverse Universe

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



50.9778, 62.1851, 103.9234



45.9766, 56.9218, 103.1715



36.5336, 33.2968, 99.1087



18.1418, 19.6553, 23.0876



19.2144, 23.3383, 52.9266



1.9581, 2.4469, 5.1824

Previews

White Background



This preview shows how the XYZ color 55.6791, 45.0008, 22.5810 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 55.6791, 45.0008, 22.5810 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 55.6791, 45.0008, 22.5810

Background



This preview shows how black text looks on a background with the XYZ color 55.6791, 45.0008, 22.5810.



This preview shows how white text looks on a background with the XYZ color 55.6791, 45.0008,

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

55.6791, 45.0008, 22.5810

Protanopia

42.0087, 45.1362, 26.9201

Deuteranopia

45.8624, 44.9170, 21.8754



Tritanopia

58.0015, 44.9084, 37.9589

Trichromacy



Original Color

55.6791, 45.0008, 22.5810

Protanomaly

46.1450, 44.4301, 25.2125

Deuteranomaly

48.9458, 44.5888, 21.9464

Tritanomaly

56.9454, 44.7381, 31.6206

Monochromacy



Original Color

55.6791, 45.0008, 22.5810

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

45.9208, 44.0416, 37.5331

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.6791, 45.0008, 22.5810 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, 152, 117)` looks like.

```
.text, #text, p{  
    color:rgb(255, 152, 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, 152, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 152, 117) }
```

Border

The CSS property to change the border of an element to XYZ 55.6791, 45.0008, 22.5810 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, 152, 117) }
```


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

```
.border{ border-color:rgb(255, 152, 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, 152, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 152, 117); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 152, 117); box-shadow:4px 4px 4px 4px rgb(255, 152, 117) }
```

Background

The CSS property to change the background color of an element to XYZ 55.6791, 45.0008, 22.5810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 152, 117) }
```

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

```
.background{ background-color: rgb(255,  
152, 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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