

Converting Colors

XYZ(50.7028, 45.1153, 20.1049)

Have a look what the booklet for
XYZ(50.7028, 45.1153, 20.1049)
contains.

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Color

**XYZ(50.5522, 44.9279,
20.1949)**

Conversions

Conversions Part 1

Format	Color
Hex	EDA26C
RGB	237, 162, 108
RGB Percent	93%, 64%, 42%
CMY	0.0706, 0.3647, 0.5765
CMYK	0.00, 0.32, 0.54, 0.07
HSL	25°, 78%, 68%
HSV	25°, 54%, 93%
XYZ	50.5522, 44.9279, 20.1949
YIQ	178.2690, 62.0340, -0.8940

Conversions

Conversions Part 2

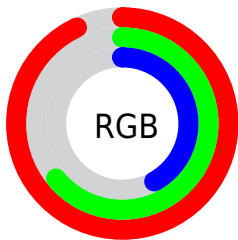
Format	Color
RYB	237, 201, 108
Decimal	15573612
CIELab	72.84, 22.16, 39.12
CIELCh	73, 44.961, 60.474
Yxy	44.9279, 0.4370, 0.3884
Android (android.graphics.Color)	4293763692 (0xFFEDA26C)
YUV	178.2690, -34.6426, 51.5071
Hunter-Lab	67.0283, 17.3238, 29.0564

Details

The XYZ color **50.5522, 44.9279, 20.1949** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **38.4030, 43.1676, 86.4287**, and the grayscale version is **42.6152, 44.8345, 48.8248**.

A 20% lighter version of the original color is **72.3980, 73.4238, 43.6141**, and **24.7254, 20.9326, 6.8749** is the 20% darker color. If you saturate the color by 10%, you get **47.1628, 39.9008, 13.6655**, and if you desaturate by 10%, it is **54.5525, 50.6285, 28.6199**.

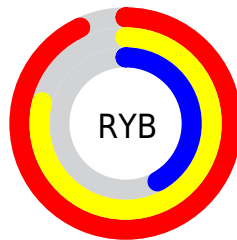
Distribution



Red (93%)

Green (64%)

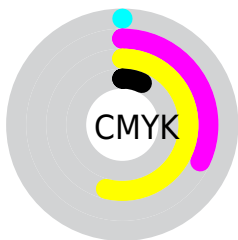
Blue (42%)



Red (93%)

Yellow (79%)

Blue (42%)

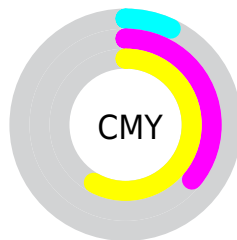


Cyan (0%)

Magenta (32%)

Yellow (54%)

Black (7%)



Cyan (7%)

Magenta (36%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.5522, 44.9279, 20.1949 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 50.5522, 44.9279, 20.1949 by changing the saturation by 10% instead.


 50.5522, 44.9279,
20.1949


 50.5522, 44.9279,
20.1949


379.2379,
366.4815, 265.6073

 36.0719, 31.4006,
12.3513


 90.1794, 82.6122,
44.6070


 24.6601, 20.9041,
6.8580


 116.0571,
107.5380, 62.0125

 15.9514, 13.0539,
3.2963


 146.4647,
137.0322, 83.4425

 9.5804, 7.4657,
1.2479

 181.7675,
171.4791, 109.3154

 5.1818, 3.7550,
0.0185

222.3308,
211.2630, 140.0498

 2.3902, 1.5375,
0.0000

268.5201,

 0.8402, 0.3149,

256.7685, 176.0642

0.0000

320.7007,
308.3798, 217.7772

■ 0.0000, 0.0000,
0.0000

■ 50.5522, 44.9279,
20.1949

■ 50.5522, 44.9279,
20.1949

■ 47.1628, 39.9008,
13.6655

■ 54.5525, 50.6285,
28.6199

■ 44.3440, 35.5121,
8.8762

■ 59.1940, 57.0222,
39.0740

■ 42.0550, 31.7326,
5.6507

■ 64.5084, 64.1361,
51.6813

■ 40.2456, 28.5274,
3.7728

■ 70.5242, 71.9937,
66.5552

■ 39.4076, 26.9698,
3.1287

■ 77.2684, 80.6170,
83.8010

■ 84.7660, 90.0274,
103.5176

■ 88.7350, 96.7445,
108.6045

Harmonies

Analogous

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



57.0217, 44.9279, 30.1635



50.5522, 44.9279, 20.1949



42.5783, 44.9279, 17.2502

Triad

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



50.5522, 44.9279, 20.1949



29.3589, 44.9279, 49.2762



50.7938, 44.9279, 96.2280

Complementary

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



50.5522, 44.9279, 20.1949



38.4030, 43.1676, 86.4287

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.



42.8272, 44.9279, 105.8732



50.5522, 44.9279, 20.1949



31.0070, 44.9279, 74.1782

Square

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



50.5522, 44.9279, 20.1949



30.9065, 44.9279, 30.6129



35.7108, 44.9279, 96.7887



57.1728, 44.9279, 73.3663

Rectangle

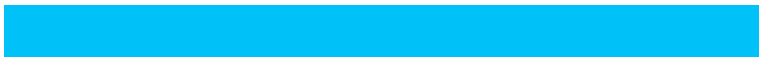
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



50.5522, 44.9279, 20.1949



37.6546, 44.9279, 18.6435



35.7108, 44.9279, 96.7887



48.1827, 44.9279, 101.3877

Sweetspot

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



50.5533, 44.9301, 20.1958



82.0577, 83.4344, 75.5319



48.8611, 32.1593, 48.5687



17.2408, 17.4388, 15.3618



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.



50.5533, 44.9301, 20.1958



55.3901, 46.6584, 15.5929



64.8962, 73.6160, 24.9767



15.5836, 16.0903, 15.8031



21.6382, 14.9706, 1.7492



1.7923, 1.3618, 0.1684

Inverse Universe

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



38.4030, 43.1676, 86.4287



39.6705, 44.3096, 101.0695



28.0379, 22.4372, 82.9736



14.9587, 16.0037, 19.2229



13.4231, 13.4932, 45.6399



1.1488, 1.2490, 3.6154

Previews

White Background



This preview shows how the XYZ color 50.5522, 44.9279, 20.1949 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 50.5522, 44.9279, 20.1949 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

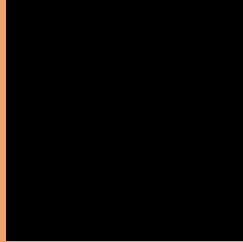
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.5522, 44.9279, 20.1949

Background



This preview shows how black text looks on a background with the XYZ color 50.5522, 44.9279, 20.1949.



This preview shows how white text looks on a background with the XYZ color 50.5522, 44.9279,

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

50.5522, 44.9279, 20.1949

Protanopia

41.7203, 45.0801, 22.7221

Deuteranopia

46.0779, 45.0719, 19.9068



Tritanopia

55.2222, 45.0731, 41.8658

Trichromacy



Original Color

50.5522, 44.9279, 20.1949

Protanomaly

44.4465, 44.7586, 21.6259

Deuteranomaly

47.7078, 45.0744, 20.0957

Tritanomaly

53.2729, 45.0233, 32.6706

Monochromacy



Original Color

50.5522, 44.9279, 20.1949

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

44.0555, 43.9471, 36.2977

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.5522, 44.9279, 20.1949 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(237, 162, 108)` looks like.

```
.text, #text, p{  
    color:rgb(237, 162, 108)  
}
```

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(237, 162, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 162, 108) }
```

Border

The CSS property to change the border of an element to XYZ 50.5522, 44.9279, 20.1949 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(237, 162, 108) }
```


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

```
.border{ border-color:rgb(237, 162, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 162, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 162, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 162, 108);  
box-shadow:4px 4px 4px 4px rgb(237, 162,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 50.5522, 44.9279, 20.1949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 162, 108) }
```

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

```
.background{ background-color: rgb(237,  
162, 108) }
```

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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