

Converting Colors

XYZ(49.5811, 50.2248, 20.9343)

Have a look what the booklet for
XYZ(49.5811, 50.2248, 20.9343)
contains.

XYZ(49.5060, 50.0470, 20.9607)	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(49.5060, 50.0470,
20.9607)**

Conversions

Conversions Part 1

Format	Color
Hex	DEB66B
RGB	222, 182, 107
RGB Percent	87%, 71%, 42%
CMY	0.1294, 0.2863, 0.5804
CMYK	0.00, 0.18, 0.52, 0.13
HSL	39°, 64%, 65%
HSV	39°, 52%, 87%
XYZ	49.5060, 50.0470, 20.9607
YIQ	185.4100, 47.9150, -14.8450

Conversions

Conversions Part 2

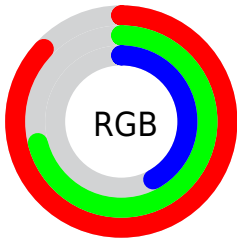
Format	Color
R_{YB}	168, 222, 107
Decimal	14595691
CIE _{Lab}	76.10, 5.32, 43.31
CIE _{LCh}	76, 43.634, 82.998
Yxy	50.0470, 0.4108, 0.4153
Android (android.graphics.Color)	4292785771 (0xFFDEB66B)
YUV	185.4100, -38.6561, 32.0894
Hunter-Lab	70.7439, 1.1110, 31.9537

Details

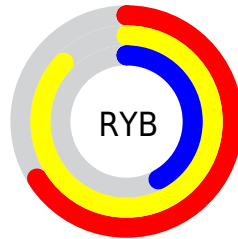
The XYZ color **49.5060, 50.0470, 20.9607** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **29.6816, 29.2661, 73.1916**, and the grayscale version is **46.5336, 48.9570, 53.3142**.

A 20% lighter version of the original color is **78.1597, 84.9471, 45.5347**, and **23.8986, 23.8884, 7.2222** is the 20% darker color. If you saturate the color by 10%, you get **46.9471, 46.5646, 15.0667**, and if you desaturate by 10%, it is **52.4543, 53.8284, 28.4647**.

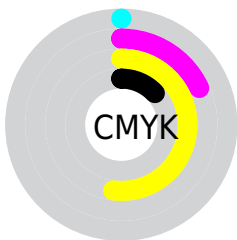
Distribution



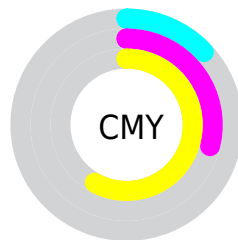
- Red (87%)
- Green (71%)
- Blue (42%)



- Red (66%)
- Yellow (87%)
- Blue (42%)



- Cyan (0%)
- Magenta (18%)
- Yellow (52%)
- Black (13%)





- Cyan (13%)
- Magenta (29%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.5060, 50.0470, 20.9607 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 49.5060, 50.0470, 20.9607 by changing the saturation by 10% instead.


 49.5060, 50.0470,
20.9607


 49.5060, 50.0470,
20.9607


375.2149,
386.8497, 269.8437

 35.2372, 35.4507,
12.9043


 88.6387, 90.2445,
45.9021


 24.0130, 24.0103,
7.2327


 114.2334,
116.6146, 63.6241

 15.4681, 15.3413,
3.5274


 144.3341,
147.6780, 85.4051

 9.2370, 9.0592,
1.3698


 179.3061,
183.8192, 111.6637

 4.9544, 4.7798,
0.1180

219.5148,
225.4226, 142.8183

 2.2550, 2.1187,
0.0000

265.3257,

 0.7715, 0.6751,

272.8725, 179.2875

0.0000

317.1039,
326.5534, 221.4898

■ 0.0000, 0.0000,
0.0000

■ 49.5060, 50.0470,
20.9607

■ 49.5060, 50.0470,
20.9607

■ 46.9471, 46.5646,
15.0667

■ 52.4543, 53.8284,
28.4647

■ 44.7493, 43.3621,
10.6557

■ 55.8107, 57.9129,
37.6864

■ 42.8853, 40.4280,
7.5866

■ 59.5969, 62.3131,
48.7278

■ 41.3214, 37.7467,
5.6889

■ 63.8317, 67.0386,
61.6820

■ 40.2178, 35.7170,
4.7744

■ 68.5327, 72.0985,
76.6354

■ 73.7167, 77.5015,
93.6695

■ 78.1842, 82.7698,
106.4632

■ 80.4561, 87.3136,
107.2205

■ 82.8253, 92.0519,
108.0102

Harmonies

Analogous

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



57.6466, 50.0470, 25.9142



49.5060, 50.0470, 20.9607



41.6992, 50.0470, 22.7190

Triad

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



49.5060, 50.0470, 20.9607



34.5410, 50.0470, 73.9955



61.2267, 50.0470, 86.2464

Complementary

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



49.5060, 50.0470, 20.9607



29.6816, 29.2661, 73.1916

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.



53.9635, 50.0470, 107.1861



49.5060, 50.0470, 20.9607



38.7387, 50.0470, 98.8171

Square

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



49.5060, 50.0470, 20.9607



33.6363, 50.0470, 49.1980



45.6816, 50.0470, 112.3461



64.8969, 50.0470, 60.1543

Rectangle

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



49.5060, 50.0470, 20.9607



37.6529, 50.0470, 27.7984



45.6816, 50.0470, 112.3461



59.0872, 50.0470, 94.3930

Sweetspot

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



49.5072, 50.0494, 20.9617



84.8024, 88.9237, 76.4468



40.6683, 28.1599, 30.9992



17.8948, 18.7468, 15.5798



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.



49.5072, 50.0494, 20.9617



64.0509, 63.4371, 20.1536



53.8831, 66.2476, 23.8576



14.4496, 15.1851, 14.4762



23.9964, 21.4306, 2.8718



1.7461, 1.6510, 0.2266

Inverse Universe

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



29.6816, 29.2661, 73.1916



34.1786, 32.1748, 99.0167



26.7913, 20.0936, 71.5735



13.3399, 14.0190, 17.3905



9.5105, 6.4906, 41.7999



0.7410, 0.6134, 2.9246

Previews

White Background



This preview shows how the XYZ color 49.5060, 50.0470, 20.9607 looks on a white background.

Color Contrast Check

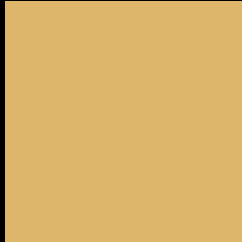
Large Text (above 18pt) WCAG AA × Fail

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 49.5060, 50.0470, 20.9607 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 49.5060, 50.0470, 20.9607

Background



This preview shows how black text looks on a background with the XYZ color 49.5060, 50.0470, 20.9607.



This preview shows how white text looks on a background with the XYZ color 49.5060, 50.0470,

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

49.5060, 50.0470, 20.9607

Protanopia

46.1971, 50.1924, 21.7212

Deuteranopia

51.1400, 49.9809, 21.1393



Tritanopia

56.1196, 50.0903, 53.1649

Trichromacy



Original Color

49.5060, 50.0470, 20.9607

Protanomaly

47.4171, 50.1976, 21.3773

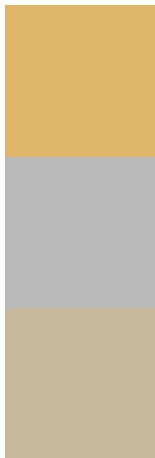
Deuteranomaly

50.3921, 49.8940, 21.1619

Tritanomaly

52.9752, 49.6537, 38.6903

Monochromacy



Original Color

49.5060, 50.0470, 20.9607

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

46.5150, 48.7211, 38.8508

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.5060, 50.0470, 20.9607 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(222, 182, 107)` looks like.

```
.text, #text, p{  
    color:rgb(222, 182, 107)  
}
```

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(222, 182, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 182, 107) }
```

Border

The CSS property to change the border of an element to XYZ 49.5060, 50.0470, 20.9607 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(222, 182, 107) }
```


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

```
.border{ border-color:rgb(222, 182, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 182, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 182, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 182, 107);  
box-shadow:4px 4px 4px 4px rgb(222, 182,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 49.5060, 50.0470, 20.9607 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 182, 107) }
```

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

```
.background{ background-color: rgb(222,  
182, 107) }
```

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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