

Converting Colors

XYZ(49.7721, 50.7525, 20.5314)

Have a look what the booklet for
XYZ(49.7721, 50.7525, 20.5314)
contains.

XYZ(49.8145, 50.8305, 20.5504)	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(49.8145, 50.8305,
20.5504)**

Conversions

Conversions Part 1

Format	Color
Hex	DEB869
RGB	222, 184, 105
RGB Percent	87%, 72%, 41%
CMY	0.1294, 0.2784, 0.5882
CMYK	0.00, 0.17, 0.53, 0.13
HSL	41°, 64%, 64%
HSV	41°, 53%, 87%
XYZ	49.8145, 50.8305, 20.5504
YIQ	186.3560, 48.0070, -16.5130

Conversions

Conversions Part 2

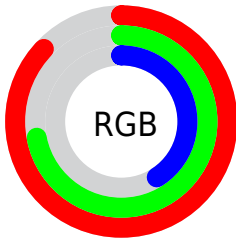
Format	Color
RYB	161, 222, 105
Decimal	14596201
CIELab	76.58, 4.09, 44.89
CIELCh	77, 45.077, 84.792
Yxy	50.8305, 0.4110, 0.4194
Android (android.graphics.Color)	4292786281 (0xFFDEB869)
YUV	186.3560, -40.1085, 31.2598
Hunter-Lab	71.2955, -0.0484, 32.8170

Details

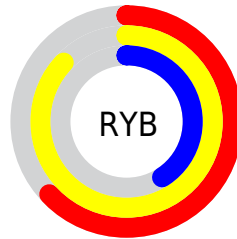
The XYZ color **49.8145, 50.8305, 20.5504** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **28.8326, 27.9211, 72.9766**, and the grayscale version is **47.0721, 49.5236, 53.9312**.

A 20% lighter version of the original color is **78.5716, 86.0488, 44.8157**, and **24.1157, 24.4009, 7.0532** is the 20% darker color. If you saturate the color by 10%, you get **47.3598, 47.5150, 14.8189**, and if you desaturate by 10%, it is **52.6458, 54.4226, 27.8778**.

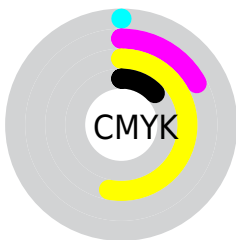
Distribution



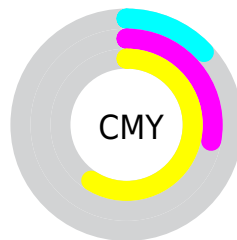
- Red (87%)
- Green (72%)
- Blue (41%)



- Red (63%)
- Yellow (87%)
- Blue (41%)



- Cyan (0%)
- Magenta (17%)
- Yellow (53%)
- Black (13%)



- Cyan (13%)
- Magenta (28%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.8145, 50.8305, 20.5504 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 49.8145, 50.8305, 20.5504 by changing the saturation by 10% instead.

49.8145, 50.8305,
20.5504

49.8145, 50.8305,
20.5504

376.4041,
389.9049, 267.5815

35.4832, 36.0737,
12.6077

89.0934, 91.4042,
45.2091

24.2036, 24.4911,
7.0315

114.7718,
117.9899, 62.7622

15.6103, 15.6984,
3.4030

144.9633,
149.2873, 84.3559

9.3379, 9.3110,
1.3039

180.0331,
185.6809, 110.4086

5.0211, 4.9446,
0.0650

220.3468,
227.5551, 141.3390

2.2945, 2.2148,
0.0000

266.2696,

0.7919, 0.7280,

275.2942, 177.5656

0.0000

318.1669,
329.2827, 219.5069

■ 0.0000, 0.0000,
0.0000

■ 49.8145, 50.8305,
20.5504

■ 49.8145, 50.8305,
20.5504

■ 47.3598, 47.5150,
14.8189

■ 52.6458, 54.4226,
27.8778

■ 45.2532, 44.4572,
10.5549

■ 55.8723, 58.2948,
36.9097

■ 43.4675, 41.6462,
7.6155

■ 59.5155, 62.4592,
47.7488

■ 41.9686, 39.0665,
5.8268

■ 63.5942, 66.9251,
60.4887

■ 41.0156, 37.3127,
5.0403

■ 68.1259, 71.7012,
75.2164

■ 73.1270, 76.7957,
92.0136

■ 77.7310, 81.8634,
106.3121

■ 79.8310, 86.0633,
107.0121

■ 82.0155, 90.4323,
107.7402

Harmonies

Analogous

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



58.3810, 50.8305, 25.1934



49.8145, 50.8305, 20.5504



41.7674, 50.8305, 22.7575

Triad

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



49.8145, 50.8305, 20.5504



34.9210, 50.8305, 77.4286



62.9635, 50.8305, 87.0222

Complementary

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



49.8145, 50.8305, 20.5504



28.8326, 27.9211, 72.9766

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.



55.5088, 50.8305, 109.7628



49.8145, 50.8305, 20.5504



39.4744, 50.8305, 103.1796

Square

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



49.8145, 50.8305, 20.5504



33.7729, 50.8305, 51.1972



46.8417, 50.8305, 116.4085



66.5215, 50.8305, 59.7126

Rectangle

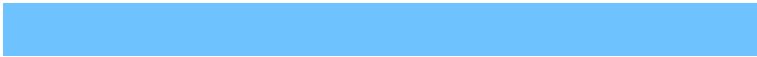
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49.8145, 50.8305, 20.5504



37.6712, 50.8305, 28.2922



46.8417, 50.8305, 116.4085



60.7906, 50.8305, 95.7386

Sweetspot

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



49.8157, 50.8329, 20.5514



85.0811, 89.4811, 76.5397



40.2101, 27.6468, 29.6032



17.9615, 18.8802, 15.6020



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.



49.8157, 50.8329, 20.5514



64.5920, 64.7063, 19.7574



53.1638, 65.8888, 23.2810



14.4770, 15.2399, 14.4854



24.4676, 22.3732, 3.0289



1.7763, 1.7114, 0.2367

Inverse Universe

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



28.8326, 27.9211, 72.9766



33.0612, 30.3366, 98.7208



26.6215, 19.7001, 71.5064



13.3137, 13.9665, 17.3818



9.3015, 6.0725, 41.7302



0.7242, 0.5799, 2.9190

Previews

White Background



This preview shows how the XYZ color 49.8145, 50.8305, 20.5504 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 49.8145, 50.8305, 20.5504 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 49.8145, 50.8305, 20.5504

Background



This preview shows how black text looks on a background with the XYZ color 49.8145, 50.8305, 20.5504.



This preview shows how white text looks on a background with the XYZ color 49.8145, 50.8305,

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

49.8145, 50.8305, 20.5504

Protanopia

46.8639, 50.8666, 21.2582

Deuteranopia

51.8778, 50.6720, 20.6821



Tritanopia

56.5263, 50.5610, 54.3569

Trichromacy



Original Color

49.8145, 50.8305, 20.5504

Protanomaly

47.8124, 50.7274, 20.9070

Deuteranomaly

51.1203, 50.5823, 20.7047

Tritanomaly

53.4560, 50.4782, 39.2736

Monochromacy



Original Color

49.8145, 50.8305, 20.5504

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

46.9880, 49.2744, 38.9327

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.8145, 50.8305, 20.5504 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, 184, 105)` looks like.

```
.text, #text, p{  
    color:rgb(222, 184, 105)  
}
```

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, 184, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 184, 105) }
```

Border

The CSS property to change the border of an element to XYZ 49.8145, 50.8305, 20.5504 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, 184, 105) }
```


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

```
.border{ border-color:rgb(222, 184, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 184, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 184, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 184, 105);  
box-shadow:4px 4px 4px 4px rgb(222, 184,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 49.8145, 50.8305, 20.5504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 184, 105) }
```

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

```
.background{ background-color: rgb(222,  
184, 105) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor