

Converting Colors

XYZ(46.4894, 49.2496, 17.5202)

Have a look what the booklet for
XYZ(46.4894, 49.2496, 17.5202)
contains.

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Color

**XYZ(46.5568, 49.2174,
17.4020)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | D5B85D |
| RGB | 213, 184, 93 |
| RGB Percent | 84%, 72%, 36% |
| CMY | 0.1647, 0.2784, 0.6353 |
| CMYK | 0.00, 0.14, 0.56, 0.16 |
| HSL | 46°, 59%, 60% |
| HSV | 46°, 56%, 84% |
| XYZ | 46.5568, 49.2174, 17.4020 |
| YIQ | 182.2970, 46.4950, -22.1530 |

Conversions

Conversions Part 2

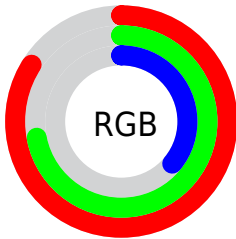
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 131, 213, 93 |
| Decimal | 14006365 |
| CIE Lab | 75.59, -0.63, 49.37 |
| CIE LCh | 76, 49.375, 90.729 |
| Yxy | 49.2174, 0.4114, 0.4349 |
| Android (android.graphics.Color) | 4292196445 (0xFFD5B85D) |
| YUV | 182.2970, -44.0234, 26.9265 |
| Hunter-Lab | 70.1551, -4.3141, 34.4017 |

Details

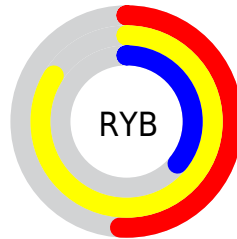
The XYZ color **46.5568, 49.2174, 17.4020** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted orange. A complement of this color would be **23.4837, 21.0495, 65.7757**, and the grayscale version is **44.8413, 47.1765, 51.3752**.

A 20% lighter version of the original color is **77.5884, 85.6555, 39.6379**, and **22.2445, 23.4677, 5.5478** is the 20% darker color. If you saturate the color by 10%, you get **44.6923, 46.7938, 12.7567**, and if you desaturate by 10%, it is **48.7253, 51.8285, 23.4458**.

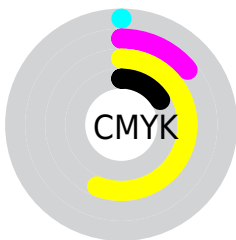
Distribution



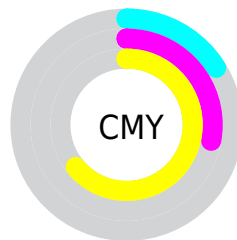
- Red (84%)
- Green (72%)
- Blue (36%)



- Red (51%)
- Yellow (84%)
- Blue (36%)



- Cyan (0%)
- Magenta (14%)
- Yellow (56%)
- Black (16%)



- Cyan (16%)
- Magenta (28%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.5568, 49.2174, 17.4020 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 46.5568, 49.2174, 17.4020 by changing the saturation by 10% instead.

■ 46.5568, 49.2174,
17.4020

■ 46.5568, 49.2174,
17.4020

363.7212,
383.5975, 249.6004

■ 32.8919, 34.7920,
10.3565

■ 84.2745, 89.0143,
39.8157

■ 22.2025, 23.5027,
5.5273

■ 109.0579,
115.1545, 56.0211

■ 14.1232, 14.9651,
2.4958

■ 138.2783,
145.9684, 76.1169

■ 8.2887, 8.7949,
0.8379

■ 172.3009,
181.8404, 100.5216

■ 4.3336, 4.6076,
0.0000

211.4912,
223.1550, 129.6537

■ 1.8925, 2.0189,
0.0000

256.2144,

■ 0.5725, 0.6184,

270.2964, 163.9319

0.0000

306.8360,
323.6491, 203.7746

■ 0.0000, 0.0000,
0.0000

■ 46.5568, 49.2174,
17.4020

■ 46.5568, 49.2174,
17.4020

■ 44.6923, 46.7938,
12.7567

■ 48.7253, 51.8285,
23.4458

■ 43.1055, 44.5410,
9.3887

■ 51.2145, 54.6290,
30.9898

■ 41.7708, 42.4500,
7.1612

■ 54.0439, 57.6291,
40.1297

■ 40.6550, 40.5068,
5.8999

■ 57.2304, 60.8361,
50.9522

■ 40.2789, 39.8229,
5.5637

■ 60.7897, 64.2570,
63.5379

■ 64.7363, 67.8982,
77.9622

■ 69.0842, 71.7658,
94.2959

■ 72.4637, 75.3127,
105.3253

■ 73.8776, 78.1403,
105.7966

Harmonies

Analogous

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



55.8975, 49.2174, 20.6119



46.5568, 49.2174, 17.4020



38.3717, 49.2174, 20.9518

Triad

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



46.5568, 49.2174, 17.4020



33.2555, 49.2174, 83.5982



63.8223, 49.2174, 82.1177

Complementary

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



46.5568, 49.2174, 17.4020



23.4837, 21.0495, 65.7757

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.



56.3340, 49.2174, 109.4557



46.5568, 49.2174, 17.4020



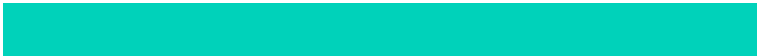
38.7115, 49.2174, 110.4881

Square

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



46.5568, 49.2174, 17.4020



31.3320, 49.2174, 54.2312



47.0032, 49.2174, 121.2084



66.6174, 49.2174, 52.9526

Rectangle

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



46.5568, 49.2174, 17.4020



34.4644, 49.2174, 27.6517



47.0032, 49.2174, 121.2084



61.7263, 49.2174, 92.1231

Sweetspot

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



46.5580, 49.2197, 17.4030



85.5887, 91.0140, 75.1126



34.9302, 23.4053, 21.4161



18.1039, 19.2670, 15.3351



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.



46.5580, 49.2197, 17.4030



66.5680, 69.5034, 17.8101



45.2985, 58.4459, 19.2502



13.2068, 13.9878, 13.1646



24.6874, 24.4919, 3.4263



1.5514, 1.6020, 0.2275

Inverse Universe

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



23.4837, 21.0495, 65.7757



28.6398, 23.2855, 97.5928



24.0934, 16.8443, 64.9318



11.9839, 12.4911, 15.7169



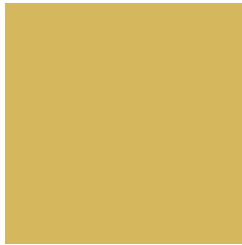
8.1391, 4.5399, 38.9005



0.5562, 0.4045, 2.3681

Previews

White Background



This preview shows how the XYZ color 46.5568, 49.2174, 17.4020 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 46.5568, 49.2174, 17.4020 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 46.5568, 49.2174, 17.4020

Background



This preview shows how black text looks on a background with the XYZ color 46.5568, 49.2174, 17.4020.



This preview shows how white text looks on a background with the XYZ color 46.5568, 49.2174,

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

46.5568, 49.2174, 17.4020

Protanopia

45.2443, 49.4706, 17.7538

Deuteranopia

50.2991, 49.3250, 17.6961



Tritanopia

53.9245, 49.2321, 53.6743

Trichromacy



Original Color

46.5568, 49.2174, 17.4020

Protanomaly

45.8738, 49.4813, 17.7227

Deuteranomaly

48.7731, 49.1386, 17.5038

Tritanomaly

50.5836, 49.0461, 36.9378

Monochromacy



Original Color

46.5568, 49.2174, 17.4020

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

44.4308, 47.4064, 35.6628

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.5568, 49.2174, 17.4020 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(213, 184, 93)` looks like.

```
.text, #text, p{  
    color:rgb(213, 184, 93)  
}
```

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(213, 184, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 184, 93) }
```

Border

The CSS property to change the border of an element to XYZ 46.5568, 49.2174, 17.4020 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(213, 184, 93) }
```


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

```
.border{ border-color:rgb(213, 184, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 184, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 184, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 184, 93);  
box-shadow:4px 4px 4px 4px rgb(213, 184,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 46.5568, 49.2174, 17.4020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 184, 93) }
```

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

```
.background{ background-color: rgb(213,  
184, 93) }
```

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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