

Converting Colors

XYZ(46.4338, 49.4384, 15.9208)

Have a look what the booklet for
XYZ(46.4338, 49.4384, 15.9208)
contains.

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Color

**XYZ(46.4692, 49.5159,
15.9124)**

Conversions

Conversions Part 1

Format	Color
Hex	D5B956
RGB	213, 185, 86
RGB Percent	84%, 73%, 34%
CMY	0.1647, 0.2745, 0.6627
CMYK	0.00, 0.13, 0.60, 0.16
HSL	47°, 60%, 59%
HSV	47°, 60%, 84%
XYZ	46.4692, 49.5159, 15.9124
YIQ	182.0860, 48.4670, -24.8530

Conversions

Conversions Part 2

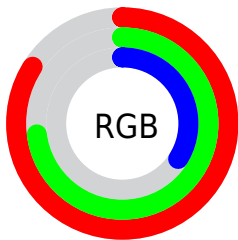
Format	Color
RYB	122, 213, 86
Decimal	14006614
CIELab	75.77, -1.67, 52.88
CIELCh	76, 52.906, 91.811
Yxy	49.5159, 0.4153, 0.4425
Android (android.graphics.Color)	4292196694 (0xFFD5B956)
YUV	182.0860, -47.3704, 27.1116
Hunter-Lab	70.3675, -5.2656, 35.8499

Details

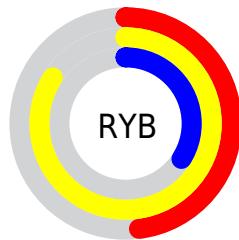
The XYZ color **46.4692, 49.5159, 15.9124** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted orange. A complement of this color would be **21.8651, 18.8165, 65.4299**, and the grayscale version is **44.7429, 47.0730, 51.2625**.

A 20% lighter version of the original color is **77.3555, 86.0347, 36.9554**, and **22.0433, 23.5809, 4.8286** is the 20% darker color. If you saturate the color by 10%, you get **44.7700, 47.2923, 11.7247**, and if you desaturate by 10%, it is **48.4589, 51.9114, 21.4594**.

Distribution



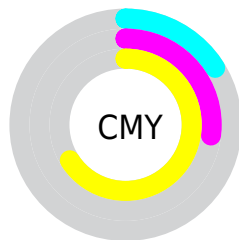
- Red (84%)
- Green (73%)
- Blue (34%)



- Red (48%)
- Yellow (84%)
- Blue (34%)



- Cyan (0%)
- Magenta (13%)
- Yellow (60%)
- Black (16%)



- Cyan (16%)
- Magenta (27%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.4692, 49.5159, 15.9124 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 46.4692, 49.5159, 15.9124 by changing the saturation by 10% instead.

■ 46.4692, 49.5159,
15.9124

■ 46.4692, 49.5159,
15.9124

363.3762,
384.7698, 240.6523

■ 32.8224, 35.0289,
9.3085

■ 84.1443, 89.4572,
37.2107

■ 22.1490, 23.6851,
4.8434

■ 108.9034,
115.6803, 52.7422

■ 14.0837, 15.1002,
2.0985

■ 138.0973,
146.5842, 72.0867

■ 8.2610, 8.8898,
0.6149

■ 172.0913,
182.5533, 95.6627

■ 4.3156, 4.6693,
0.0000

211.2509,
223.9720, 123.8887

■ 1.8822, 2.0546,
0.0000

255.9413,

■ 0.5664, 0.6389,

271.2248, 157.1833

0.0000

306.5279,
324.6959, 195.9649

■ 0.0000, 0.0000,
0.0000

■ 46.4692, 49.5159,
15.9124

■ 46.4692, 49.5159,
15.9124

■ 44.7700, 47.2923,
11.7247

■ 48.4589, 51.9114,
21.4594

■ 43.3339, 45.2235,
8.7695

■ 50.7565, 54.4805,
28.4713

■ 42.1341, 43.3001,
6.9013

■ 53.3820, 57.2337,
37.0467

■ 41.1220, 41.5022,
5.8664

■ 56.3525, 60.1782,
47.2748

■ 41.0854, 41.4360,
5.8325

■ 59.6840, 63.3209,
59.2380

■ 63.3914, 66.6683,
73.0132

■ 67.4887, 70.2263,
88.6728

■ 71.7625, 73.9101,
105.0915

■ 73.0312, 76.4475,
105.5144

Harmonies

Analogous

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



56.5592, 49.5159, 18.9152



46.4692, 49.5159, 15.9124



37.7947, 49.5159, 19.7780

Triad

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



46.4692, 49.5159, 15.9124



32.7709, 49.5159, 87.7412



65.7465, 49.5159, 83.7094

Complementary

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



46.4692, 49.5159, 15.9124



21.8651, 18.8165, 65.4299

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.



57.7355, 49.5159, 114.1682



46.4692, 49.5159, 15.9124



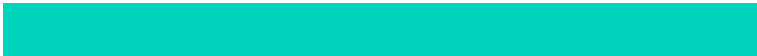
38.6947, 49.5159, 117.0094

Square

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



46.4692, 49.5159, 15.9124



30.5998, 49.5159, 55.6414



47.6626, 49.5159, 128.0465



68.5732, 49.5159, 52.2235

Rectangle

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



46.4692, 49.5159, 15.9124



33.7268, 49.5159, 26.9137



47.6626, 49.5159, 128.0465



63.5204, 49.5159, 94.7395

Sweetspot

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



46.4704, 49.5183, 15.9134



85.3778, 91.1020, 73.4711



33.8996, 22.0545, 18.8822



17.9767, 19.2119, 14.6783



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.



46.4704, 49.5183, 15.9134



66.5709, 70.0815, 16.0472



44.0952, 57.8598, 17.6487



13.2298, 14.0338, 13.1722



25.1754, 25.4681, 3.5890



1.5772, 1.6535, 0.2360

Inverse Universe

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



21.8651, 18.8165, 65.4299



26.4579, 20.1346, 97.0996



23.0657, 15.4437, 64.7157



11.9624, 12.4482, 15.7098



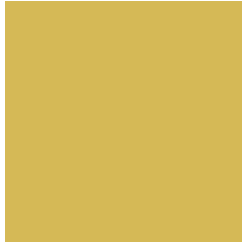
8.0187, 4.2992, 38.8603



0.5462, 0.3844, 2.3647

Previews

White Background



This preview shows how the XYZ color 46.4692, 49.5159, 15.9124 looks on a white background.

Color Contrast Check

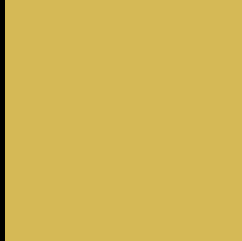
Large Text (above 18pt) WCAG AA × Fail

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 46.4692, 49.5159, 15.9124 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

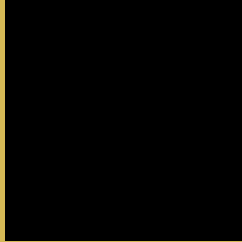
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.4692, 49.5159, 15.9124

Background



This preview shows how black text looks on a background with the XYZ color 46.4692, 49.5159, 15.9124.



This preview shows how white text looks on a background with the XYZ color 46.4692, 49.5159,

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

46.4692, 49.5159, 15.9124

Protanopia

45.2228, 49.4942, 16.1867

Deuteranopia

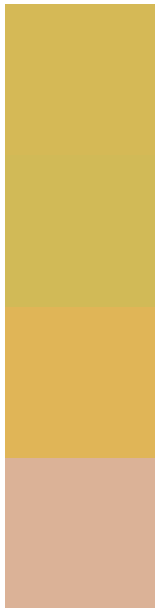
50.6368, 49.5343, 16.1247



Tritanopia

54.3374, 49.4325, 54.2545

Trichromacy



Original Color

46.4692, 49.5159, 15.9124

Protanomaly

45.5737, 49.3612, 16.1425

Deuteranomaly

48.9846, 49.5832, 16.0056

Tritanomaly

50.7197, 49.1352, 36.0890

Monochromacy



Original Color

46.4692, 49.5159, 15.9124

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

44.1923, 47.3110, 34.4065

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.4692, 49.5159, 15.9124 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, 185, 86)` looks like.

```
.text, #text, p{  
    color:rgb(213, 185, 86)  
}
```

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, 185, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 185, 86) }
```

Border

The CSS property to change the border of an element to XYZ 46.4692, 49.5159, 15.9124 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, 185, 86) }
```


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

```
.border{ border-color:rgb(213, 185, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 185, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 185, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 185, 86);  
box-shadow:4px 4px 4px 4px rgb(213, 185,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 46.4692, 49.5159, 15.9124 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 185, 86) }
```

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

```
.background{ background-color: rgb(213,  
185, 86) }
```

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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