

Converting Colors

XYZ(46.6640, 51.0948, 24.3654)

Have a look what the booklet for
XYZ(46.6640, 51.0948, 24.3654)
contains.

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Color

**XYZ(46.5262, 50.9486,
24.2115)**

Conversions

Conversions Part 1

Format	Color
Hex	CCBE75
RGB	204, 190, 117
RGB Percent	80%, 75%, 46%
CMY	0.2000, 0.2549, 0.5412
CMYK	0.00, 0.07, 0.43, 0.20
HSL	50°, 46%, 63%
HSV	50°, 43%, 80%
XYZ	46.5262, 50.9486, 24.2115
YIQ	185.8640, 31.7770, -19.7350

Conversions

Conversions Part 2

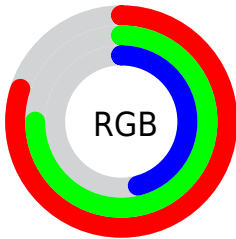
Format	Color
RYB	134, 204, 117
Decimal	13418101
CIELab	76.65, -5.29, 38.57
CIELCh	77, 38.932, 97.809
Yxy	50.9486, 0.3823, 0.4187
Android (android.graphics.Color)	4291608181 (0xFFCCBE75)
YUV	185.8640, -33.9500, 15.9053
Hunter-Lab	71.3783, -8.5611, 29.8536

Details

The XYZ color **46.5262, 50.9486, 24.2115** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **26.3514, 24.3735, 60.4425**, and the grayscale version is **46.7687, 49.2043, 53.5834**.

A 20% lighter version of the original color is **81.4515, 90.0738, 51.1232**, and **22.1715, 24.5925, 8.8884** is the 20% darker color. If you saturate the color by 10%, you get **44.7527, 49.1165, 18.3340**, and if you desaturate by 10%, it is **48.5796, 52.9220, 31.4730**.

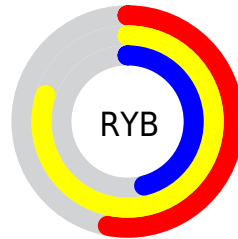
Distribution



Red (80%)

Green (75%)

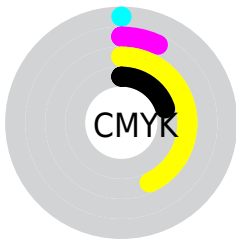
Blue (46%)



Red (53%)

Yellow (80%)

Blue (46%)

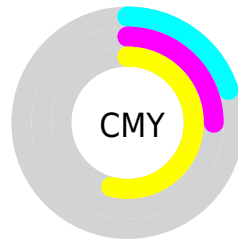


Cyan (0%)

Magenta (7%)

Yellow (43%)

Black (20%)



Cyan (20%)

Magenta (25%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.5262, 50.9486, 24.2115 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 46.5262, 50.9486, 24.2115 by changing the saturation by 10% instead.

■ 46.5262, 50.9486,
24.2115

■ 46.5262, 50.9486,
24.2115

363.6007,
390.3641, 287.2089

■ 32.8676, 36.1677,
15.2769

■ 84.2290, 91.5788,
51.3233

■ 22.1838, 24.5637,
8.8652

■ 109.0040,
118.1969, 70.3376

■ 14.1094, 15.7523,
4.5577

■ 138.2151,
149.5295, 93.5488

■ 8.2790, 9.3491,
1.9360

172.2277,
185.9610, 121.3756

■ 4.3273, 4.9696,
0.5155

211.4073,
227.8758, 154.2365

■ 1.8889, 2.2294,
0.0000

256.1190,

■ 0.5704, 0.7360,

275.6583, 192.5500

0.0000

306.7284,
329.6929, 236.7346

■ 0.0000, 0.0000,
0.0000

■ 46.5262, 50.9486,
24.2115

■ 46.5262, 50.9486,
24.2115

■ 44.7527, 49.1165,
18.3340

■ 48.5796, 52.9220,
31.4730

■ 43.2382, 47.4116,
13.7468

■ 50.9248, 55.0360,
40.1975

■ 41.9645, 45.8283,
10.3500

■ 53.5776, 57.2990,
50.4620

■ 40.9094, 44.3575,
8.0273

■ 56.5516, 59.7166,
62.3368

■ 40.0464, 42.9885,
6.6390

■ 59.8593, 62.2939,
75.8883

■ 39.4995, 42.0327,
6.0313

■ 63.5127, 65.0359,
91.1789

■ 66.7402, 67.6341,
104.1448

■ 67.5739, 69.3015,
104.4227

■ 68.4244, 71.0026,
104.7063

Harmonies

Analogous

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



53.9738, 50.9486, 25.7555



46.5262, 50.9486, 24.2115



40.2514, 50.9486, 29.2031

Triad

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



46.5262, 50.9486, 24.2115



38.0754, 50.9486, 84.2397



62.7583, 50.9486, 72.2478

Complementary

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



46.5262, 50.9486, 24.2115



26.3514, 24.3735, 60.4425

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.



57.6366, 50.9486, 94.0869



46.5262, 50.9486, 24.2115



43.2704, 50.9486, 102.1442

Square

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



46.5262, 50.9486, 24.2115



35.7052, 50.9486, 61.1699



50.3750, 50.9486, 106.1437



63.8555, 50.9486, 50.1438

Rectangle

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



46.5262, 50.9486, 24.2115



37.4011, 50.9486, 36.5499



50.3750, 50.9486, 106.1437



61.4268, 50.9486, 80.0103

Sweetspot

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



46.5275, 50.9510, 24.2126



88.4870, 94.6905, 82.6152



35.3942, 27.2128, 25.0386



18.7212, 20.0843, 16.8275



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.



46.5275, 50.9510, 24.2126



74.3840, 81.6304, 31.2211



42.4833, 53.5842, 24.9340



11.9942, 12.7774, 11.9136



24.9187, 26.5704, 3.8152



1.3277, 1.4551, 0.2109

Inverse Universe

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



26.3514, 24.3735, 60.4425



36.7591, 32.0940, 98.8651



29.1150, 23.1938, 60.0691



10.7451, 11.1306, 14.1525



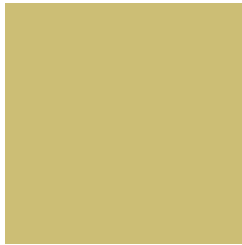
7.2443, 3.5125, 36.2524



0.4207, 0.2751, 1.8859

Previews

White Background



This preview shows how the XYZ color 46.5262, 50.9486, 24.2115 looks on a white background.

Color Contrast Check

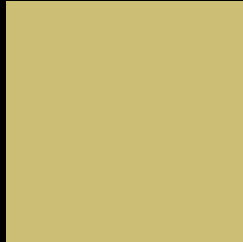
Large Text (above 18pt) WCAG AA × Fail

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 46.5262, 50.9486, 24.2115 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

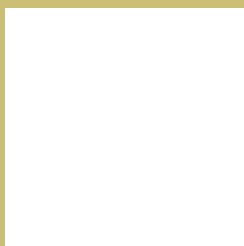
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.5262, 50.9486, 24.2115

Background



This preview shows how black text looks on a background with the XYZ color 46.5262, 50.9486, 24.2115.

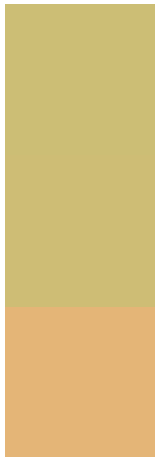


This preview shows how white text looks on a background with the XYZ color 46.5262, 50.9486,

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

46.5262, 50.9486, 24.2115

Protanopia

46.8621, 50.8014, 24.1654

Deuteranopia

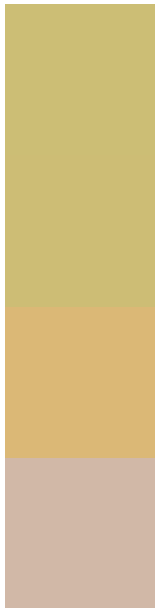
51.8486, 50.8736, 24.5396



Tritanopia

53.5256, 50.9849, 58.6497

Trichromacy



Original Color

46.5262, 50.9486, 24.2115

Protanomaly

46.5853, 50.6587, 24.1524

Deuteranomaly

49.6239, 50.6491, 24.3003

Tritanomaly

50.4100, 50.6263, 43.6742

Monochromacy



Original Color

46.5262, 50.9486, 24.2115

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

46.1957, 49.4513, 40.8285

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.5262, 50.9486, 24.2115 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(204, 190, 117)` looks like.

```
.text, #text, p{  
    color:rgb(204, 190, 117)  
}
```

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(204, 190, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 190, 117) }
```

Border

The CSS property to change the border of an element to XYZ 46.5262, 50.9486, 24.2115 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(204, 190, 117) }
```


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

```
.border{ border-color:rgb(204, 190, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 190, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 190, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 190, 117);  
box-shadow:4px 4px 4px 4px rgb(204, 190,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 46.5262, 50.9486, 24.2115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 190, 117) }
```

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

```
.background{ background-color: rgb(204,  
190, 117) }
```

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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