

Converting Colors

XYZ(46.6318, 50.7092, 22.9528)

Have a look what the booklet for
XYZ(46.6318, 50.7092, 22.9528)
contains.

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Color

**XYZ(46.6318, 50.7093,
22.9529)**

Conversions

Conversions Part 1

Format	Color
Hex	CEBD71
RGB	206, 189, 113
RGB Percent	81%, 74%, 44%
CMY	0.1922, 0.2588, 0.5569
CMYK	0.00, 0.08, 0.45, 0.19
HSL	49°, 49%, 63%
HSV	49°, 45%, 81%
XYZ	46.6318, 50.7093, 22.9529
YIQ	185.4190, 34.5280, -20.0320

Conversions

Conversions Part 2

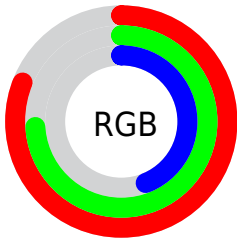
Format	Color
RYB	134, 206, 113
Decimal	13548913
CIELab	76.50, -4.37, 40.46
CIELCh	77, 40.692, 96.159
Yxy	50.7093, 0.3876, 0.4215
Android (android.graphics.Color)	4291738993 (0xFFCEBD71)
YUV	185.4190, -35.7026, 18.0495
Hunter-Lab	71.2105, -7.7285, 30.7367

Details

The XYZ color **46.6318, 50.7093, 22.9529** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **25.9330, 23.9313, 61.6446**, and the grayscale version is **46.5280, 48.9511, 53.3077**.

A 20% lighter version of the original color is **80.7753, 89.3180, 49.0592**, and **22.2790, 24.4512, 8.2480** is the 20% darker color. If you saturate the color by 10%, you get **44.8024, 48.7005, 17.2564**, and if you desaturate by 10%, it is **48.7480, 52.8702, 30.0447**.

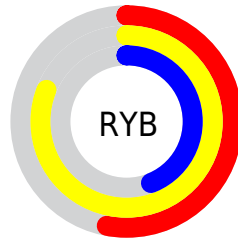
Distribution



Red (81%)

Green (74%)

Blue (44%)



Red (53%)

Yellow (81%)

Blue (44%)

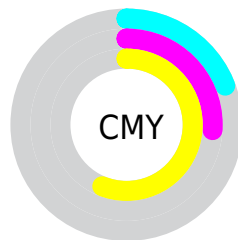


Cyan (0%)

Magenta (8%)

Yellow (45%)

Black (19%)



Cyan (19%)

Magenta (26%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.6318, 50.7093, 22.9529 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 46.6318, 50.7093, 22.9529 by changing the saturation by 10% instead.

■ 46.6318, 50.7093,
22.9529

■ 46.6318, 50.7093,
22.9529

364.0164,
389.4333, 280.5971

■ 32.9514, 35.9773,
14.3538

■ 84.3858, 91.2249,
49.2382

■ 22.2483, 24.4167,
8.2256

■ 109.1902,
117.7773, 67.7614

■ 14.1571, 15.6430,
4.1498

■ 138.4333,
149.0387, 90.4298

■ 8.3124, 9.2719,
1.7079

172.4804,
185.3934, 117.6618

■ 4.3490, 4.9189,
0.3661

211.6969,
227.2258, 149.8759

■ 1.9014, 2.1998,
0.0000

256.4481,

■ 0.5777, 0.7199,

274.9203, 187.4909

0.0000

307.0995,
328.8614, 230.9251

■ 0.0000, 0.0000,
0.0000

■ 46.6318, 50.7093,
22.9529

■ 46.6318, 50.7093,
22.9529

■ 44.8024, 48.7005,
17.2564

■ 48.7480, 52.8702,
30.0447

■ 43.2377, 46.8291,
12.8572

■ 51.1637, 55.1829,
38.6149

■ 41.9187, 45.0891,
9.6491


■ 53.8954, 57.6562,
48.7438


■ 40.8216, 43.4707,
7.5082

■ 56.9572, 60.2958,
60.5047


■ 39.9175, 41.9621,
6.2828


■ 60.3622, 63.1073,
73.9666

 39.5219, 41.2587,
5.8807

 64.1230, 66.0960,
89.1944

 67.8947, 69.1242,
104.3716

 68.8664, 71.0676,
104.6955

 69.8604, 73.0555,
105.0268

Harmonies

Analogous

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



54.4119, 50.7093, 24.8772



46.6318, 50.7093, 22.9529



40.0046, 50.7093, 27.6382

Triad

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



46.6318, 50.7093, 22.9529



37.2380, 50.7093, 84.0919



62.9945, 50.7093, 74.1188

Complementary

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



46.6318, 50.7093, 22.9529



25.9330, 23.9313, 61.6446

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.



57.4394, 50.7093, 96.8477



46.6318, 50.7093, 22.9529



42.4756, 50.7093, 103.5929

Square

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



46.6318, 50.7093, 22.9529



34.9644, 50.7093, 59.8730



49.7982, 50.7093, 108.7925



64.4084, 50.7093, 50.8028

Rectangle

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



46.6318, 50.7093, 22.9529



36.9505, 50.7093, 34.8638



49.7982, 50.7093, 108.7925



61.5228, 50.7093, 82.2521

Sweetspot

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



46.6330, 50.7117, 22.9539



87.7798, 93.8184, 80.7074



35.3916, 26.5456, 24.3958



18.5695, 19.8876, 16.4480



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.



46.6330, 50.7117, 22.9539



72.7201, 79.0545, 28.3485



43.0812, 54.6291, 23.8973



11.9728, 12.7345, 11.9064



24.4020, 25.5370, 3.6430



1.3054, 1.4105, 0.2034

Inverse Universe

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



25.9330, 23.9313, 61.6446



35.1685, 30.5067, 98.6425



28.2788, 22.0577, 61.1594



10.7648, 11.1701, 14.1590



7.3316, 3.6872, 36.2816



0.4298, 0.2933, 1.8889

Previews

White Background



This preview shows how the XYZ color 46.6318, 50.7093, 22.9529 looks on a white background.

Color Contrast Check

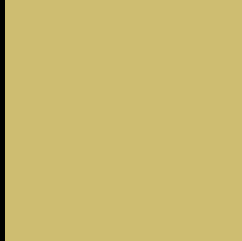
Large Text (above 18pt) WCAG AA × Fail

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 46.6318, 50.7093, 22.9529 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

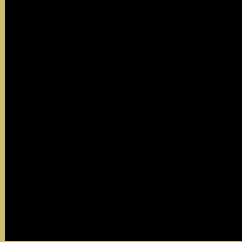
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.6318, 50.7093, 22.9529

Background



This preview shows how black text looks on a background with the XYZ color 46.6318, 50.7093, 22.9529.

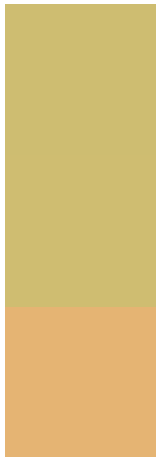


This preview shows how white text looks on a background with the XYZ color 46.6318, 50.7093,

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

46.6318, 50.7093, 22.9529

Protanopia

46.9104, 50.8528, 22.9659

Deuteranopia

51.7289, 50.5383, 23.2481



Tritanopia

53.4773, 50.3866, 57.3591

Trichromacy



Original Color

46.6318, 50.7093, 22.9529

Protanomaly

46.9104, 50.8528, 22.9659

Deuteranomaly

49.7895, 50.4540, 23.0340

Tritanomaly

50.4983, 50.3962, 42.1878

Monochromacy



Original Color

46.6318, 50.7093, 22.9529

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

45.8092, 48.9585, 39.8364

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.6318, 50.7093, 22.9529 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(206, 189, 113)` looks like.

```
.text, #text, p{  
    color:rgb(206, 189, 113)  
}
```

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(206, 189, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 189, 113) }
```

Border

The CSS property to change the border of an element to XYZ 46.6318, 50.7093, 22.9529 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(206, 189, 113) }
```


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

```
.border{ border-color:rgb(206, 189, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 189, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 189, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 189, 113);  
box-shadow:4px 4px 4px 4px rgb(206, 189,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6318, 50.7093, 22.9529 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 189, 113) }
```

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

```
.background{ background-color: rgb(206,  
189, 113) }
```

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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