

Converting Colors

XYZ(46.5939, 55.3855, 22.7629)

Have a look what the booklet for
XYZ(46.5939, 55.3855, 22.7629)
contains.

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Color

**XYZ(46.6219, 55.4181,
22.7075)**

Conversions

Conversions Part 1

Format	Color
Hex	C3CB6D
RGB	195, 203, 109
RGB Percent	76%, 80%, 43%
CMY	0.2353, 0.2039, 0.5725
CMYK	0.04, 0.00, 0.46, 0.20
HSL	65°, 47%, 61%
HSV	65°, 46%, 80%
XYZ	46.6219, 55.4181, 22.7075
YIQ	189.8920, 25.4060, -30.9300

Conversions

Conversions Part 2

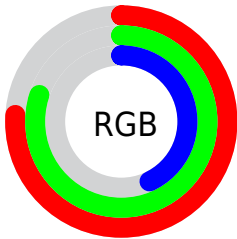
Format	Color
RYB	109, 203, 117
Decimal	12831597
CIELab	79.28, -16.37, 45.67
CIELCh	79, 48.520, 109.720
Yxy	55.4181, 0.3737, 0.4442
Android (android.graphics.Color)	4291021677 (0xFFC3CB6D)
YUV	189.8920, -39.8798, 4.4797
Hunter-Lab	74.4433, -18.4860, 34.0251

Details

The XYZ color **46.6219, 55.4181, 22.7075** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **23.5862, 19.0323, 58.9337**, and the grayscale version is **49.0947, 51.6514, 56.2484**.

A 20% lighter version of the original color is **82.7896, 95.0113, 48.1580**, and **22.3264, 27.3758, 8.1103** is the 20% darker color. If you saturate the color by 10%, you get **45.2093, 54.8037, 17.5811**, and if you desaturate by 10%, it is **48.2948, 56.1411, 29.1656**.

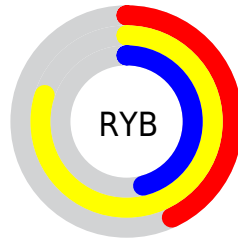
Distribution



Red (76%)

Green (80%)

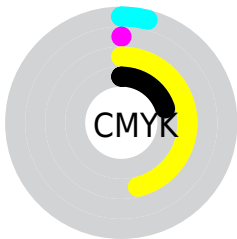
Blue (43%)



Red (43%)

Yellow (80%)

Blue (46%)

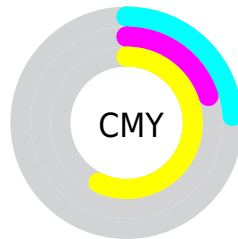


Cyan (4%)

Magenta (0%)

Yellow (46%)

Black (20%)



Cyan (24%)

Magenta (20%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.6219, 55.4181, 22.7075 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 46.6219, 55.4181, 22.7075 by changing the saturation by 10% instead.

■ 46.6219, 55.4181,
22.7075

■ 46.6219, 55.4181,
22.7075

363.9774,
407.4949, 279.2921

■ 32.9435, 39.7366,
14.1744

■ 84.3711, 98.1533,
48.8297

■ 22.2422, 27.3332,
8.1019

■ 109.1727,
125.9757, 67.2559

■ 14.1526, 17.8236,
4.0715

■ 138.4128,
158.6139, 89.8168

■ 8.3093, 10.8234,
1.6647

■ 172.4567,
196.4522, 116.9311

■ 4.3469, 5.9482,
0.3364

211.6697,
239.8751, 149.0172

■ 1.9002, 2.8136,
0.0000

256.4173,

■ 0.5770, 1.0352,

289.2669, 186.4937

0.0000

307.0648,
345.0120, 229.7792

■ 0.0000, 0.0000,
0.0000

■ 46.6219, 55.4181,
22.7075

■ 46.6219, 55.4181,
22.7075

■ 45.2093, 54.8037,
17.5811

■ 48.2948, 56.1411,
29.1656

■ 44.0353, 54.2834,
13.6901

■ 50.2398, 56.9717,
37.0358

■ 43.0813, 53.8517,
10.9310


■ 52.4730, 57.9181,
46.3964


■ 42.3242, 53.4993,
9.1818

■ 55.0080, 58.9858,
57.3187


■ 41.7344, 53.2145,
8.2872


■ 57.8575, 60.1799,
69.8697

 41.5381, 53.1180,
8.0635

 61.0334, 61.5051,
84.1124

 64.5471, 62.9662,
100.1063

 65.6538, 63.4650,
103.3974

 66.1451, 63.7183,
103.4204

Harmonies

Analogous

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



56.0756, 55.4181, 21.5411



46.6219, 55.4181, 22.7075



39.6763, 55.4181, 31.9546

Triad

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



46.6219, 55.4181, 22.7075



41.5020, 55.4181, 111.0096



73.2600, 55.4181, 70.3943

Complementary

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



46.6219, 55.4181, 22.7075



23.5862, 19.0323, 58.9337

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.



68.2374, 55.4181, 101.9284



46.6219, 55.4181, 22.7075



49.4113, 55.4181, 129.7168

Square

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



46.6219, 55.4181, 22.7075



36.9815, 55.4181, 80.2386



59.2268, 55.4181, 125.9606



72.2738, 55.4181, 44.0388

Rectangle

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



46.6219, 55.4181, 22.7075



37.0309, 55.4181, 43.6415



59.2268, 55.4181, 125.9606



72.1967, 55.4181, 80.8345

Sweetspot

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



46.6232, 55.4206, 22.7087



88.7160, 97.3382, 81.3374



33.7327, 26.4859, 17.8031



18.7998, 20.7546, 16.6032



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.



46.6232, 55.4206, 22.7087



75.6023, 91.7203, 29.1068



36.3612, 50.1304, 22.2284



12.0560, 13.0462, 11.9622



26.4713, 33.8218, 5.1331



1.3940, 1.7595, 0.2661

Inverse Universe

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



23.5862, 19.0323, 58.9337



32.2308, 23.1646, 97.3802



31.5254, 23.1251, 59.3052



10.6888, 10.8889, 14.1088



7.0429, 2.8383, 36.1329



0.3947, 0.1626, 1.8655

Previews

White Background



This preview shows how the XYZ color 46.6219, 55.4181, 22.7075 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 46.6219, 55.4181, 22.7075 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

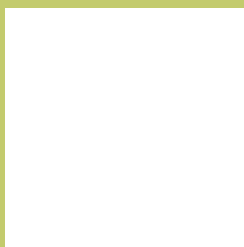
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.6219, 55.4181, 22.7075

Background



This preview shows how black text looks on a background with the XYZ color 46.6219, 55.4181, 22.7075.



This preview shows how white text looks on a background with the XYZ color 46.6219, 55.4181,

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

46.6219, 55.4181, 22.7075

Protanopia

50.7127, 55.1403, 21.8802

Deuteranopia

56.3476, 55.0836, 23.2851



Tritanopia

55.5657, 55.3261, 66.7819

Trichromacy



Original Color

46.6219, 55.4181, 22.7075

Protanomaly

49.1426, 55.3395, 22.2788

Deuteranomaly

52.4260, 54.9978, 23.1817

Tritanomaly

51.4477, 54.9767, 46.4281

Monochromacy



Original Color

46.6219, 55.4181, 22.7075

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

47.6864, 52.8099, 41.3982

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.6219, 55.4181, 22.7075 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(195, 203, 109)` looks like.

```
.text, #text, p{  
    color:rgb(195, 203, 109)  
}
```

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(195, 203, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 203, 109) }
```

Border

The CSS property to change the border of an element to XYZ 46.6219, 55.4181, 22.7075 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(195, 203, 109) }
```


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

```
.border{ border-color:rgb(195, 203, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 203, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(195, 203, 109); -webkit-box-shadow:4px 4px 4px 4px rgb(195, 203, 109); box-shadow:4px 4px 4px 4px rgb(195, 203, 109) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6219, 55.4181, 22.7075 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 203, 109) }
```

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

```
.background{ background-color: rgb(195,  
203, 109) }
```

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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