

Converting Colors

XYZ(46.5567, 53.4353, 22.7582)

Have a look what the booklet for
XYZ(46.5567, 53.4353, 22.7582)
contains.

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Color

**XYZ(46.3887, 53.2223,
22.8669)**

Conversions

Conversions Part 1

Format	Color
Hex	C7C56F
RGB	199, 197, 111
RGB Percent	78%, 77%, 44%
CMY	0.2196, 0.2274, 0.5647
CMYK	0.00, 0.01, 0.44, 0.22
HSL	59°, 44%, 61%
HSV	59°, 44%, 78%
XYZ	46.3887, 53.2223, 22.8669
YIQ	187.7940, 28.7980, -26.3220

Conversions

Conversions Part 2

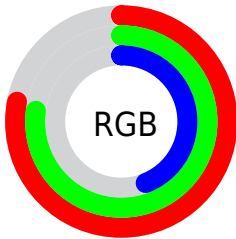
Format	Color
RYB	113, 199, 111
Decimal	13092207
CIELab	78.01, -11.53, 43.20
CIELCh	78, 44.711, 104.947
Yxy	53.2223, 0.3788, 0.4345
Android (android.graphics.Color)	4291282287 (0xFFC7C56F)
YUV	187.7940, -37.8594, 9.8277
Hunter-Lab	72.9536, -14.1668, 32.4834

Details

The XYZ color **46.3887, 53.2223, 22.8669** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **22.7695, 19.3128, 56.5605**, and the grayscale version is **47.8808, 50.3743, 54.8576**.

A 20% lighter version of the original color is **83.3827, 94.8240, 49.0301**, and **21.9658, 25.8108, 8.0992** is the 20% darker color. If you saturate the color by 10%, you get **45.3111, 52.6295, 17.6911**, and if you desaturate by 10%, it is **47.7133, 53.9182, 29.3306**.

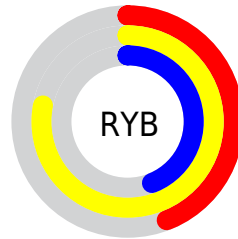
Distribution



Red (78%)

Green (77%)

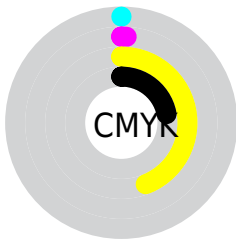
Blue (44%)



Red (44%)

Yellow (78%)

Blue (44%)

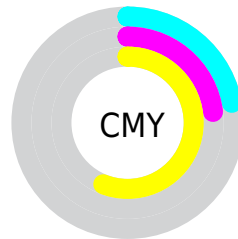


Cyan (0%)

Magenta (1%)

Yellow (44%)

Black (22%)



Cyan (22%)

Magenta (23%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.3887, 53.2223, 22.8669 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 46.3887, 53.2223, 22.8669 by changing the saturation by 10% instead.

■ 46.3887, 53.2223,
22.8669

■ 46.3887, 53.2223,
22.8669

363.0590,
399.1374, 280.1404

■ 32.7586, 37.9803,
14.2909

■ 84.0247, 94.9314,
49.0951

■ 22.0999, 25.9674,
8.1822

■ 108.7614,
122.1673, 67.5844

■ 14.0473, 16.7992,
4.1223

■ 137.9309,
154.1698, 90.2151

■ 8.2355, 10.0915,
1.6927

■ 171.8986,
191.3235, 117.4059

■ 4.2991, 5.4596,
0.3557

211.0299,
234.0127, 149.5753

■ 1.8727, 2.5194,
0.0000

255.6902,

■ 0.5609, 0.8863,

282.6219, 187.1418

0.0000

306.2447,
337.5353, 230.5240

■ 0.0000, 0.0000,
0.0000

■ 46.3887, 53.2223,
22.8669

■ 46.3887, 53.2223,
22.8669

■ 45.3111, 52.6295,
17.6911

■ 47.7133, 53.9182,
29.3306

■ 44.4602, 52.1260,
13.7134

■ 49.2960, 54.7159,
37.1571

■ 43.8189, 51.7068,
10.8379


■ 51.1517, 55.6233,
46.4199


■ 43.3660, 51.3634,
8.9528


■ 53.2931, 56.6455,
57.1859

■ 43.0756, 51.0856,
7.9223


■ 55.7322, 57.7873,
69.5181

 42.9540, 50.9437,
7.5692

 58.4803, 59.0531,
83.4757

 61.5480, 60.4473,
99.1148

 62.4000, 60.9557,
103.0845

 62.5050, 61.1658,
103.1195

Harmonies

Analogous

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



55.0610, 53.2223, 22.8792



46.3887, 53.2223, 22.8669



39.6543, 53.2223, 30.2030

Triad

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



46.3887, 53.2223, 22.8669



39.6358, 53.2223, 98.8623



68.5417, 53.2223, 71.3187

Complementary

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



46.3887, 53.2223, 22.8669



22.7695, 19.3128, 56.5605

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.



63.3625, 53.2223, 98.9512



46.3887, 53.2223, 22.8669



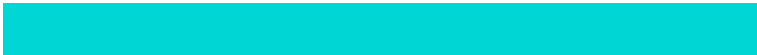
46.3607, 53.2223, 117.6960

Square

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



46.3887, 53.2223, 22.8669



36.0707, 53.2223, 71.2211



55.0296, 53.2223, 117.7325



68.5514, 53.2223, 46.4393

Rectangle

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



46.3887, 53.2223, 22.8669



36.8819, 53.2223, 39.9219



55.0296, 53.2223, 117.7325



67.3234, 53.2223, 80.7226

Sweetspot

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



46.3900, 53.2247, 22.8680



89.9255, 97.5674, 83.0947



32.2715, 24.7250, 18.9719



19.0804, 20.8026, 16.9472



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.



46.3900, 53.2247, 22.8680



79.4115, 92.1933, 31.3313



37.3804, 49.2570, 22.5770



11.5025, 12.3741, 11.3450



27.6296, 32.7764, 4.8702



1.3149, 1.5653, 0.2328

Inverse Universe

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



22.7695, 19.3128, 56.5605



32.8472, 25.3468, 97.7689



28.9551, 22.1749, 56.7869



10.0756, 10.3253, 13.3794



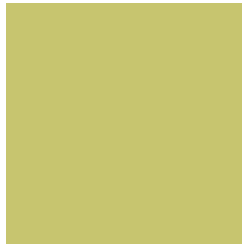
6.6690, 2.7318, 34.9202



0.3227, 0.1431, 1.6558

Previews

White Background



This preview shows how the XYZ color 46.3887, 53.2223, 22.8669 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 46.3887, 53.2223, 22.8669 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

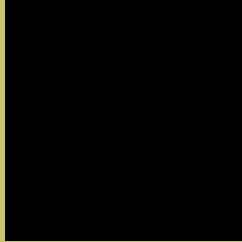
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.3887, 53.2223, 22.8669

Background



This preview shows how black text looks on a background with the XYZ color 46.3887, 53.2223, 22.8669.



This preview shows how white text looks on a background with the XYZ color 46.3887, 53.2223,

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

46.3887, 53.2223, 22.8669

Protanopia

49.0358, 53.2628, 22.4481

Deuteranopia

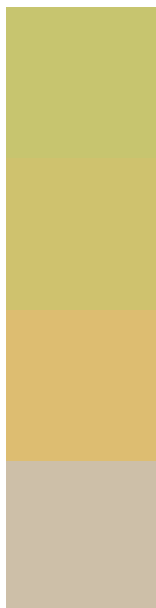
54.1094, 52.9883, 23.2955



Tritanopia

54.6074, 53.3130, 62.6707

Trichromacy



Original Color

46.3887, 53.2223, 22.8669

Protanomaly

47.8384, 52.9748, 22.4556

Deuteranomaly

50.9970, 52.9596, 23.1572

Tritanomaly

50.8755, 53.0679, 44.6075

Monochromacy



Original Color

46.3887, 53.2223, 22.8669

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

46.7142, 51.0061, 40.6408

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.3887, 53.2223, 22.8669 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(199, 197, 111)` looks like.

```
.text, #text, p{  
    color:rgb(199, 197, 111)  
}
```

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(199, 197, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 197, 111) }
```

Border

The CSS property to change the border of an element to XYZ 46.3887, 53.2223, 22.8669 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(199, 197, 111) }
```


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

```
.border{ border-color:rgb(199, 197, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 197, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 197, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 197, 111);  
box-shadow:4px 4px 4px 4px rgb(199, 197,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 46.3887, 53.2223, 22.8669 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 197, 111) }
```

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

```
.background{ background-color: rgb(199,  
197, 111) }
```

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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