

Converting Colors

XYZ(46.6617, 55.8592, 27.7248)

Have a look what the booklet for
XYZ(46.6617, 55.8592, 27.7248)
contains.

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Color

**XYZ(46.7682, 56.0905,
27.7636)**

Conversions

Conversions Part 1

Format	Color
Hex	BECD7D
RGB	190, 205, 125
RGB Percent	75%, 80%, 49%
CMY	0.2549, 0.1961, 0.5098
CMYK	0.07, 0.00, 0.39, 0.20
HSL	71°, 44%, 65%
HSV	71°, 39%, 80%
XYZ	46.7682, 56.0905, 27.7636
YIQ	191.3950, 16.7400, -28.0600

Conversions

Conversions Part 2

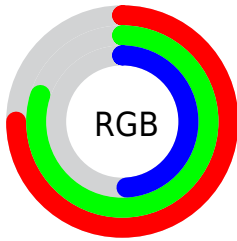
Format	Color
RYB	125, 205, 140
Decimal	12504445
CIELab	79.67, -17.61, 38.12
CIElCh	80, 41.989, 114.802
Yxy	56.0905, 0.3580, 0.4294
Android (android.graphics.Color)	4290694525 (0xFFBECD7D)
YUV	191.3950, -32.7327, -1.2234
Hunter-Lab	74.8936, -19.5973, 30.4463

Details

The XYZ color **46.7682, 56.0905, 27.7636** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **29.1704, 24.6519, 60.9817**, and the grayscale version is **49.9293, 52.5295, 57.2047**.

A 20% lighter version of the original color is **82.2545, 94.5488, 56.5623**, and **22.2943, 27.7785, 10.6653** is the 20% darker color. If you saturate the color by 10%, you get **44.6442, 55.1334, 21.5195**, and if you desaturate by 10%, it is **49.1906, 57.1739, 35.4348**.

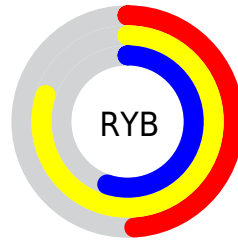
Distribution



Red (75%)

Green (80%)

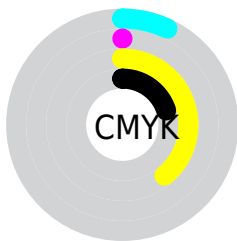
Blue (49%)



Red (49%)

Yellow (80%)

Blue (55%)

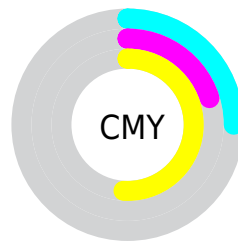


Cyan (7%)

Magenta (0%)

Yellow (39%)

Black (20%)



Cyan (25%)


Magenta (20%)


Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.7682, 56.0905, 27.7636 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 46.7682, 56.0905, 27.7636 by changing the saturation by 10% instead.


 46.7682, 56.0905,
27.7636

 46.7682, 56.0905,
27.7636


364.5529,
410.0325, 305.2119


 33.0596, 40.2755,
17.9100


 84.5884, 99.1369,
57.1253

 22.3316, 27.7534,
10.7167


 109.4307,
127.1370, 77.4706

 14.2187, 18.1399,
5.7649


 138.7149,
159.9677, 102.1502

 8.3557, 11.0504,
2.6362

172.8065,
198.0133, 131.5827

 4.3771, 6.1008,
0.9110

212.0707,
241.6582, 166.1865

 1.9176, 2.9065,
0.0000

256.8729,

 0.5870, 1.0831,

291.2867, 206.3803

0.0000

307.5786,
347.2833, 252.5826

■ 0.0000, 0.0000,
0.0000

■ 46.7682, 56.0905,
27.7636

■ 46.7682, 56.0905,
27.7636

■ 44.6442, 55.1334,
21.5195

■ 49.1906, 57.1739,
35.4348

■ 42.7975, 54.2881,
16.6107

■ 51.9229, 58.3821,
44.6102

■ 41.2108, 53.5497,
12.9404


■ 54.9807, 59.7236,
55.3657


■ 39.8626, 52.9096,
10.3971


■ 58.3774, 61.2036,
67.7709


■ 38.7278, 52.3577,
8.8494


■ 62.1257, 62.8273,
81.8914


 37.7650, 51.8774,
8.0803

 66.2376, 64.5994,
97.7891

 37.6750, 51.8322,
8.0189

 68.4726, 65.6239,
103.6655

 69.6284, 66.2197,
103.7196

 70.8110, 66.8293,
103.7749

Harmonies

Analogous

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



54.8014, 56.0905, 25.4037



46.7682, 56.0905, 27.7636



41.0805, 56.0905, 37.9403

Triad

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



46.7682, 56.0905, 27.7636



44.4652, 56.0905, 107.6662



71.2319, 56.0905, 65.3968

Complementary

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



46.7682, 56.0905, 27.7636



29.1704, 24.6519, 60.9817

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.



67.7590, 56.0905, 92.0956



46.7682, 56.0905, 27.7636



51.8505, 56.0905, 120.2951

Square

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



46.7682, 56.0905, 27.7636



39.8529, 56.0905, 82.8026



60.4401, 56.0905, 113.9512



69.5050, 56.0905, 43.5223

Rectangle

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



46.7682, 56.0905, 27.7636



39.0896, 56.0905, 49.6434



60.4401, 56.0905, 113.9512



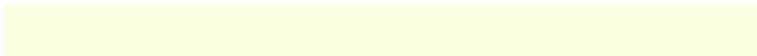
70.6239, 56.0905, 74.1346

Sweetspot

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



46.7696, 56.0930, 27.7648



88.4288, 97.1112, 84.8894



38.2099, 33.1203, 23.7817



18.7837, 20.7228, 17.6620



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.



46.7696, 56.0930, 27.7648



73.5919, 90.5167, 36.5698



38.1741, 51.6619, 27.3625



11.9396, 12.9862, 11.9567



23.5282, 32.3046, 4.9953



1.2685, 1.6948, 0.2603

Inverse Universe

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



29.1704, 24.6519, 60.9817



40.7626, 31.8213, 98.6015



37.0998, 28.7397, 61.3528



10.7948, 10.9435, 14.1137



7.4277, 3.0367, 36.1509



0.4437, 0.1879, 1.8678

Previews

White Background



This preview shows how the XYZ color 46.7682, 56.0905, 27.7636 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 46.7682, 56.0905, 27.7636 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

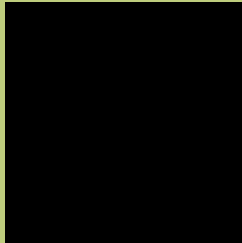
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

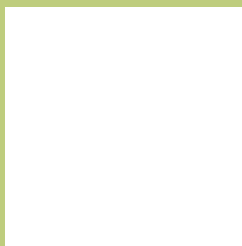
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.7682, 56.0905, 27.7636

Background



This preview shows how black text looks on a background with the XYZ color 46.7682, 56.0905, 27.7636.



This preview shows how white text looks on a background with the XYZ color 46.7682, 56.0905,

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

46.7682, 56.0905, 27.7636

Protanopia

51.5034, 55.7847, 26.4654

Deuteranopia

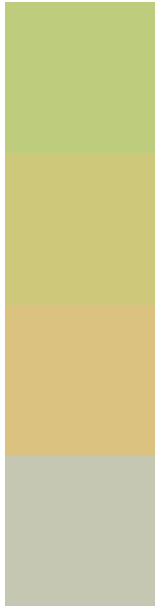
56.8707, 55.5559, 28.4948



Tritanopia

55.2354, 56.1009, 68.8901

Trichromacy



Original Color

46.7682, 56.0905, 27.7636

Protanomaly

49.6830, 55.8604, 26.9025

Deuteranomaly

52.7033, 55.3577, 28.3294

Tritanomaly

51.5861, 55.9718, 50.7326

Monochromacy



Original Color

46.7682, 56.0905, 27.7636

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

48.2008, 53.3462, 44.3156

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.7682, 56.0905, 27.7636 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(190, 205, 125)` looks like.

```
.text, #text, p{  
    color:rgb(190, 205, 125)  
}
```

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(190, 205, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 205, 125) }
```

Border

The CSS property to change the border of an element to XYZ 46.7682, 56.0905, 27.7636 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(190, 205, 125) }
```


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

```
.border{ border-color:rgb(190, 205, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 205, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 205, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 205, 125);  
box-shadow:4px 4px 4px 4px rgb(190, 205,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 46.7682, 56.0905, 27.7636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 205, 125) }
```

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

```
.background{ background-color: rgb(190,  
205, 125) }
```

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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