

Converting Colors

XYZ(30.5927, 42.1262, 46.0759)

Have a look what the booklet for
XYZ(30.5927, 42.1262, 46.0759)
contains.

XYZ(30.6756, 42.2769, 46.0787)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(30.6756, 42.2769,
46.0787)**

Conversions

Conversions Part 1

Format	Color
Hex	5FBEAD
RGB	95, 190, 173
RGB Percent	37%, 75%, 68%
CMY	0.6274, 0.2549, 0.3216
CMYK	0.50, 0.00, 0.09, 0.25
HSL	169°, 42%, 56%
HSV	169°, 50%, 75%
XYZ	30.6756, 42.2769, 46.0787
YIQ	159.6570, -51.1630, -25.4270

Conversions

Conversions Part 2

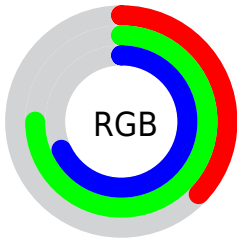
Format	Color
RYB	95, 147, 190
Decimal	6274733
CIELab	71.06, -32.30, -0.05
CIELCh	71, 32.296, 180.089
Yxy	42.2769, 0.2577, 0.3552
Android (android.graphics.Color)	4284464813 (0xFF5FBEAD)
YUV	159.6570, 6.5781, -56.7042
Hunter-Lab	65.0207, -29.5731, 3.4970

Details

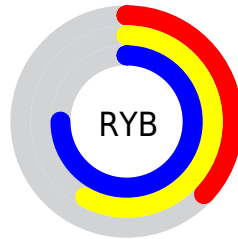
The XYZ color **30.6756, 42.2769, 46.0787** is a dark color, and the websafe version is hex **66CCCC**. A complement of this color would be **28.2535, 20.3026, 17.7605**, and the grayscale version is **33.2444, 34.9757, 38.0885**.

A 20% lighter version of the original color is **60.2132, 78.7984, 85.4348**, and **12.8825, 19.3121, 21.1378** is the 20% darker color. If you saturate the color by 10%, you get **28.6129, 41.2521, 44.2871**, and if you desaturate by 10%, it is **33.2304, 43.5565, 47.9389**.

Distribution



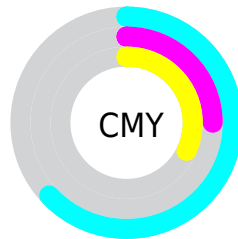
- Red (37%)
- Green (75%)
- Blue (68%)



- Red (37%)
- Yellow (58%)
- Blue (75%)



- Cyan (50%)
- Magenta (0%)
- Yellow (9%)
- Black (25%)





- Cyan (63%)
- Magenta (25%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.6756, 42.2769, 46.0787 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 30.6756, 42.2769, 46.0787 by changing the saturation by 10% instead.


 30.6756, 42.2769,
46.0787


 30.6756, 42.2769,
46.0787


296.8947,
355.6295, 387.4117

 20.5026, 29.3182,
31.9588


 60.1083, 78.6185,
85.6723


 12.8713, 19.3216,
21.0655


 80.0987, 102.7702,
111.9831

 7.4163, 11.9029,
12.9802


 104.0922,
131.4217, 143.1946

 3.7724, 6.6776,
7.2843

 132.4542,
164.9573, 179.7253

 1.5742, 3.2613,
3.5594

165.5502,
203.7615, 221.9939

 0.3755, 1.2696,
1.3869

203.7453,

 0.0000, 0.1175,

248.2187, 270.4188

0.1315

247.4050,
298.7132, 325.4185

■ 0.0000, 0.0000,
0.0000

■ 30.6756, 42.2769,
46.0787

■ 30.6756, 42.2769,
46.0787

■ 28.6129, 41.2521,
44.2871

■ 33.2304, 43.5565,
47.9389

■ 27.0030, 40.4588,
42.5591

■ 36.3058, 45.1024,
49.8666

■ 25.8065, 39.8776,
40.8936


■ 39.9323, 46.9315,
51.8645


■ 24.9755, 39.4839,
39.2879


■ 44.1370, 49.0576,
53.9341


■ 24.4149, 39.2286,
37.7374


■ 48.9453, 51.4940,
56.0769

 24.4148, 39.2286,
37.7372

 54.3810, 54.2527,
58.2943

 60.4665, 57.3455,
60.5877

 67.2234, 60.7833,
62.9584

 70.5059, 62.4290,
65.2127

Harmonies

Analogous

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



31.8444, 42.2769, 32.7492



30.6756, 42.2769, 46.0787



31.8582, 42.2769, 62.5930

Triad

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



30.6756, 42.2769, 46.0787



45.6119, 42.2769, 76.8233



45.5814, 42.2769, 24.7824

Complementary

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



30.6756, 42.2769, 46.0787



28.2535, 20.3026, 17.7605

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.



49.8445, 42.2769, 32.6853



30.6756, 42.2769, 46.0787



49.8632, 42.2769, 62.4946

Square

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



30.6756, 42.2769, 46.0787



40.1991, 42.2769, 82.5954



51.4759, 42.2769, 45.9860



40.1668, 42.2769, 22.2545

Rectangle

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



30.6756, 42.2769, 46.0787



33.8874, 42.2769, 72.7909



51.4759, 42.2769, 45.9860



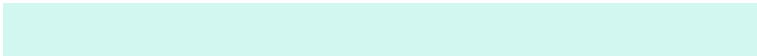
47.2135, 42.2769, 26.7962

Sweetspot

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



30.6768, 42.2786, 46.0797



75.8506, 86.8073, 95.7498



27.2156, 41.1270, 17.3312



16.3055, 18.8849, 20.8508



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



30.6768, 42.2786, 46.0797



51.5301, 74.5943, 79.9420



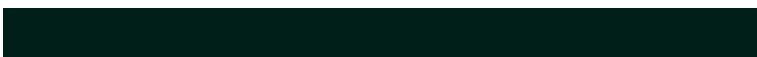
26.5712, 31.2648, 53.3513



9.7333, 10.7794, 11.8451



16.2601, 26.0943, 25.2304



0.6564, 1.0299, 1.0909

Inverse Universe

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



28.2535, 20.3026, 17.7605



46.6712, 30.2437, 22.9478



30.6463, 26.4631, 14.3200



9.5980, 9.5635, 10.2722



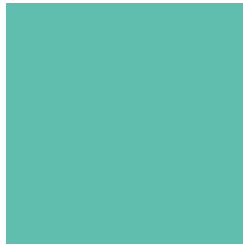
14.3334, 7.3645, 1.7832



0.5831, 0.2971, 0.1839

Previews

White Background



This preview shows how the XYZ color 30.6756, 42.2769, 46.0787 looks on a white background.

Color Contrast Check

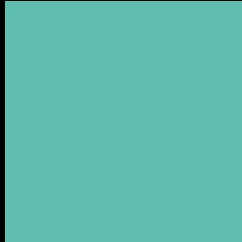
Large Text (above 18pt) WCAG AA × Fail

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 30.6756, 42.2769, 46.0787 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

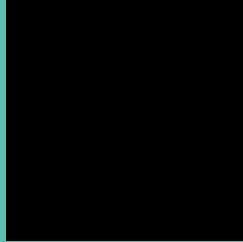
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

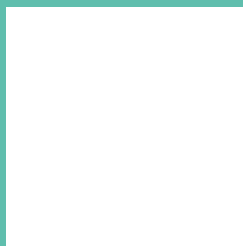
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.6756, 42.2769, 46.0787

Background



This preview shows how black text looks on a background with the XYZ color 30.6756, 42.2769, 46.0787.

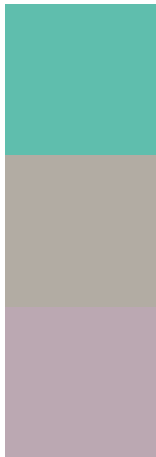


This preview shows how white text looks on a background with the XYZ color 30.6756, 42.2769,

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

30.6756, 42.2769, 46.0787

Protanopia

39.7235, 41.6144, 40.5891

Deuteranopia

42.5320, 41.7844, 47.9430



Tritanopia

33.8104, 42.2779, 61.6368

Trichromacy



Original Color

30.6756, 42.2769, 46.0787

Protanomaly

35.3079, 41.3261, 42.6750

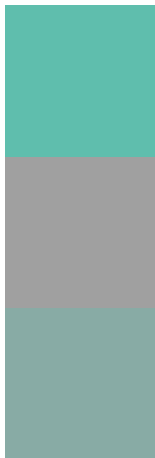
Deuteranomaly

36.6882, 41.0553, 47.0651

Tritanomaly

32.5411, 42.0689, 55.6952

Monochromacy



Original Color

30.6756, 42.2769, 46.0787

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

31.5078, 37.0767, 41.0932

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.6756, 42.2769, 46.0787 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(95, 190, 173)` looks like.

```
.text, #text, p{  
    color:rgb(95, 190, 173)  
}
```

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(95, 190, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 190, 173) }
```

Border

The CSS property to change the border of an element to XYZ 30.6756, 42.2769, 46.0787 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(95, 190, 173) }
```


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

```
.border{ border-color:rgb(95, 190, 173) }
```

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

Here you see how a box with a 4 pixel rgb(95, 190, 173) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 190, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 190, 173);  
box-shadow:4px 4px 4px 4px rgb(95, 190,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 30.6756, 42.2769, 46.0787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 190, 173) }
```

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

```
.background{ background-color: rgb(95, 190,  
173) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor