

Converting Colors

XYZ(34.5876, 46.8477, 66.2510)

Have a look what the booklet for
XYZ(34.5876, 46.8477, 66.2510)
contains.

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Color

**XYZ(34.5876, 46.8477,
66.2510)**

Conversions

Conversions Part 1

Format	Color
Hex	4BC7CF
RGB	75, 199, 207
RGB Percent	29%, 78%, 81%
CMY	0.7059, 0.2196, 0.1882
CMYK	0.64, 0.04, 0.00, 0.19
HSL	184°, 58%, 55%
HSV	184°, 64%, 81%
XYZ	34.5876, 46.8477, 66.2510
YIQ	162.8360, -76.4720, -23.8000

Conversions

Conversions Part 2

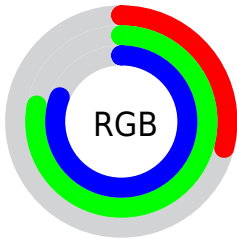
Format	Color
RYB	75, 139, 207
Decimal	4966351
CIELab	74.09, -31.36, -14.14
CIElCh	74, 34.402, 204.277
Yxy	46.8477, 0.2342, 0.3172
Android (android.graphics.Color)	4283156431 (0xFF4BC7CF)
YUV	162.8360, 21.7729, -77.0322
Hunter-Lab	68.4454, -29.5778, -9.4774

Details

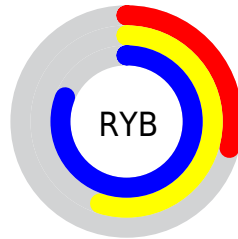
The XYZ color **34.5876, 46.8477, 66.2510** is a light color, and the websafe version is hex **66CCCC**, and the color name is **sea serpent**. The color can be described as light muted cyan. A complement of this color would be **30.0965, 19.9612, 8.9247**, and the grayscale version is **34.6635, 36.4687, 39.7144**.

A 20% lighter version of the original color is **64.2912, 84.1433, 107.4605**, and **15.8752, 22.5507, 33.6530** is the 20% darker color. If you saturate the color by 10%, you get **32.9372, 45.5712, 66.0925**, and if you desaturate by 10%, it is **36.7698, 48.4039, 66.4372**.

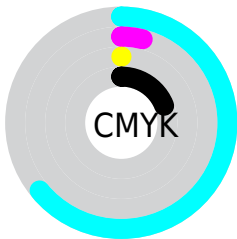
Distribution



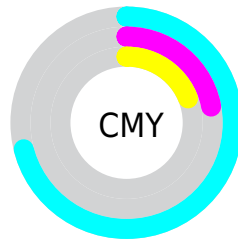
- Red (29%)
- Green (78%)
- Blue (81%)



- Red (29%)
- Yellow (55%)
- Blue (81%)



- Cyan (64%)
- Magenta (4%)
- Yellow (0%)
- Black (19%)



- Cyan (71%)
- Magenta (22%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.5876, 46.8477, 66.2510 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 34.5876, 46.8477, 66.2510 by changing the saturation by 10% instead.

■ 34.5876, 46.8477,
66.2510

■ 34.5876, 46.8477,
66.2510

314.2843,
374.2063, 465.7027

■ 23.5104, 32.9153,
48.0184

■ 66.1846, 85.4862,
115.4769

■ 15.0936, 22.0615,
33.4814

■ 87.4352, 110.9611,
147.3074

■ 8.9718, 13.9021,
22.2213

■ 112.8076,
141.0523, 184.5075

■ 4.7798, 8.0526,
13.8198

■ 142.6671,
176.1442, 227.4959

■ 2.1521, 4.1286,
7.8581

177.3792,
216.6211, 276.6911

■ 0.7173, 1.7458,
3.9178

217.3092,

■ 0.0000, 0.4530,

262.8675, 332.5116

1.5804

262.8224,
315.2678, 395.3759

■ 0.0000, 0.0000,
0.2767

■ 0.0000, 0.0000,
0.0000

■ 34.5876, 46.8477,
66.2510

■ 34.5876, 46.8477,
66.2510

■ 32.9372, 45.5712,
66.0925

■ 36.7698, 48.4039,
66.4372

■ 31.7611, 44.5417,
65.9557

■ 39.5256, 50.2584,
66.6499

■ 30.9962, 43.7277,
65.8389

■ 42.8977, 52.4340,
66.8921

■ 30.6565, 43.2927,
65.7729

■ 46.9233, 54.9502,
67.1656

■ 51.6368, 57.8245,
67.4720

■ 57.0702, 61.0736,
67.8128

■ 63.2534, 64.7127,
68.1893

■ 70.2147, 68.7566,
68.6029

■ 75.6214, 72.0026,
68.9445

Harmonies

Analogous

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



33.7598, 46.8477, 47.7037



34.5876, 46.8477, 66.2510



37.9691, 46.8477, 83.7677

Triad

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



34.5876, 46.8477, 66.2510



54.8422, 46.8477, 73.4664



45.7178, 46.8477, 24.1722

Complementary

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



34.5876, 46.8477, 66.2510



30.0965, 19.9612, 8.9247

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.



51.8003, 46.8477, 28.1451



34.5876, 46.8477, 66.2510



57.3707, 46.8477, 54.4640

Square

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



34.5876, 46.8477, 66.2510



49.5722, 46.8477, 88.5605



56.2093, 46.8477, 38.3051



39.8369, 46.8477, 25.9323

Rectangle

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



34.5876, 46.8477, 66.2510



41.3969, 46.8477, 91.0816



56.2093, 46.8477, 38.3051



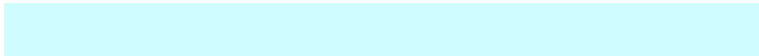
47.8118, 46.8477, 24.8464

Sweetspot

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



34.5890, 46.8495, 66.2521



78.4871, 90.0818, 107.8585



26.7235, 46.7257, 15.5151



16.3448, 19.0028, 23.0564



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.



34.5890, 46.8495, 66.2521



51.9141, 72.3014, 105.8271



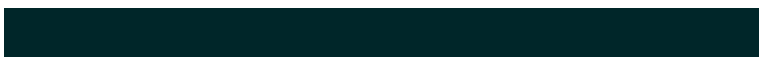
22.7461, 23.1636, 62.3045



12.0945, 13.2792, 15.1694



19.3401, 27.3268, 41.4478



1.1004, 1.5660, 2.3238

Inverse Universe

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



38.5583, 22.4225, 56.3304



58.9791, 30.8293, 87.7169



37.5307, 34.8296, 11.4028



12.2786, 11.9962, 14.7428



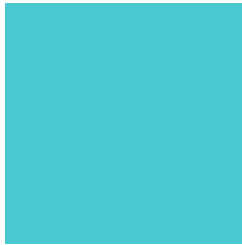
22.3927, 10.8299, 33.3038



1.2617, 0.6094, 1.9127

Previews

White Background



This preview shows how the XYZ color 34.5876, 46.8477, 66.2510 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 34.5876, 46.8477, 66.2510 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 34.5876, 46.8477, 66.2510

Background



This preview shows how black text looks on a background with the XYZ color 34.5876, 46.8477, 66.2510.

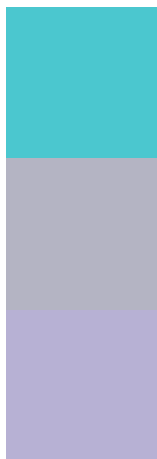


This preview shows how white text looks on a background with the XYZ color 34.5876, 46.8477,

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

34.5876, 46.8477, 66.2510

Protanopia

44.9940, 46.2859, 58.1924

Deuteranopia

47.1342, 46.2650, 68.7332



Tritanopia

35.4736, 46.8629, 70.7941

Trichromacy



Original Color

34.5876, 46.8477, 66.2510

Protanomaly

39.2345, 45.4150, 60.7309

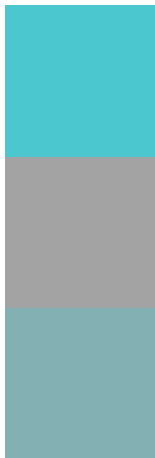
Deuteranomaly

40.4834, 45.2804, 67.5790

Tritanomaly

35.0125, 46.6691, 68.7907

Monochromacy



Original Color

34.5876, 46.8477, 66.2510

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

33.0221, 39.1306, 48.4603

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.5876, 46.8477, 66.2510 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(75, 199, 207)` looks like.

```
.text, #text, p{  
    color:rgb(75, 199, 207)  
}
```

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(75, 199, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 199, 207) }
```

Border

The CSS property to change the border of an element to XYZ 34.5876, 46.8477, 66.2510 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(75, 199, 207) }
```


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

```
.border{ border-color:rgb(75, 199, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 199, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 199, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 199, 207);  
box-shadow:4px 4px 4px 4px rgb(75, 199,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 34.5876, 46.8477, 66.2510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 199, 207) }
```

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

```
.background{ background-color: rgb(75, 199,  
207) }
```

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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