

Converting Colors

XYZ(34.6780, 42.3162, 66.0146)

Have a look what the booklet for
XYZ(34.6780, 42.3162, 66.0146)
contains.

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Color

**XYZ(34.6780, 42.3162,
66.0146)**

Conversions

Conversions Part 1

Format	Color
Hex	6AB9D0
RGB	106, 185, 208
RGB Percent	42%, 73%, 82%
CMY	0.5843, 0.2745, 0.1843
CMYK	0.49, 0.11, 0.00, 0.18
HSL	194°, 52%, 62%
HSV	194°, 49%, 82%
XYZ	34.6780, 42.3162, 66.0146
YIQ	164.0010, -54.4670, -9.5950

Conversions

Conversions Part 2

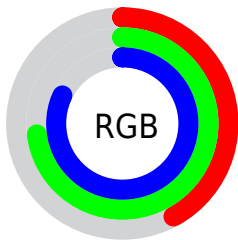
Format	Color
RYB	106, 151, 208
Decimal	6994384
CIELab	71.09, -18.10, -19.12
CIElCh	71, 26.330, 226.570
Yxy	42.3162, 0.2425, 0.2959
Android (android.graphics.Color)	4285184464 (0xFF6AB9D0)
YUV	164.0010, 21.6915, -50.8669
Hunter-Lab	65.0509, -18.6825, -14.6327

Details

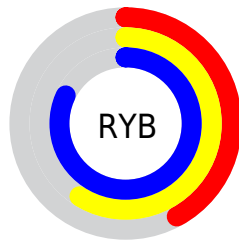
The XYZ color **34.6780, 42.3162, 66.0146** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **36.4651, 30.1520, 17.5349**, and the grayscale version is **35.2069, 37.0404, 40.3370**.

A 20% lighter version of the original color is **64.6096, 77.9171, 106.2420**, and **15.2107, 19.4165, 33.5179** is the 20% darker color. If you saturate the color by 10%, you get **31.5348, 39.2641, 65.5919**, and if you desaturate by 10%, it is **38.4557, 45.7453, 66.4781**.

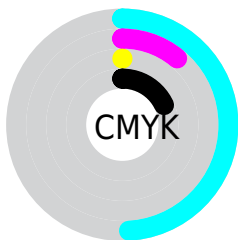
Distribution



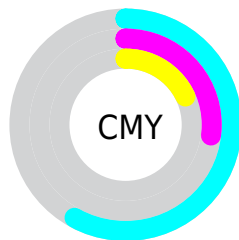
- Red (42%)
- Green (73%)
- Blue (82%)



- Red (42%)
- Yellow (59%)
- Blue (82%)



- Cyan (49%)
- Magenta (11%)
- Yellow (0%)
- Black (18%)



- Cyan (58%)
- Magenta (27%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.6780, 42.3162, 66.0146 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 34.6780, 42.3162, 66.0146 by changing the saturation by 10% instead.

■ 34.6780, 42.3162,
66.0146

■ 34.6780, 42.3162,
66.0146

314.6777,
355.7920, 464.8347

■ 23.5803, 29.3490,
47.8277

■ 66.3240, 78.6780,
115.1345

■ 15.1456, 19.3450,
33.3314

■ 87.6029, 102.8413,
146.9046

■ 9.0086, 11.9198,
22.1073

■ 113.0063,
131.5054, 184.0394

■ 4.8040, 6.6891,
13.7367

■ 142.8995,
165.0547, 226.9576

■ 2.1663, 3.2684,
7.8011

177.6479,
203.8737, 276.0777

■ 0.7249, 1.2734,
3.8820

217.6169,

■ 0.0000, 0.1205,

248.3466, 331.8183

1.5608

263.1717,
298.8579, 394.5977

■ 0.0000, 0.0000,
0.2626

■ 0.0000, 0.0000,
0.0000

■ 34.6780, 42.3162,
66.0146

■ 34.6780, 42.3162,
66.0146

■ 31.5348, 39.2641,
65.5919

■ 38.4557, 45.7453,
66.4781

■ 28.9776, 36.5608,
65.2049

■ 42.9038, 49.5676,
66.9815

■ 26.9574, 34.1815,
64.8521

■ 48.0604, 53.8040,
67.5274

■ 25.4147, 32.0949,
64.5307

■ 53.9591, 58.4724,
68.1176

■ 24.2522, 30.2506,
64.2360

■ 60.6316, 63.5895,
68.7536

■ 24.1479, 30.0793,
64.2084

■ 68.1077, 69.1711,
69.4369

■ 76.4155, 75.2322,
70.1690

■ 78.8857, 78.3349,
70.6377

■ 80.1527, 80.8688,
71.0600

Harmonies

Analogous

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



32.6414, 42.3162, 53.3393



34.6780, 42.3162, 66.0146



38.2865, 42.3162, 73.9009

Triad

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



34.6780, 42.3162, 66.0146



49.0267, 42.3162, 51.9370



37.8545, 42.3162, 26.5290

Complementary

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



34.6780, 42.3162, 66.0146



36.4651, 30.1520, 17.5349

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.



42.2181, 42.3162, 26.2917



34.6780, 42.3162, 66.0146



48.8899, 42.3162, 39.5024

Square

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



34.6780, 42.3162, 66.0146



46.6850, 42.3162, 64.8279



46.3237, 42.3162, 30.6190



34.3817, 42.3162, 31.3399

Rectangle

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



34.6780, 42.3162, 66.0146



41.1965, 42.3162, 74.5931



46.3237, 42.3162, 30.6190



39.2596, 42.3162, 25.9468

Sweetspot

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



34.6793, 42.3178, 66.0156



79.6611, 88.0736, 107.4091



32.4037, 49.7380, 28.3505



16.6360, 18.5205, 22.9480



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.



34.6793, 42.3178, 66.0156



49.6997, 61.9495, 103.9457



25.9803, 24.9196, 63.1159



11.9229, 12.9360, 15.1122



15.1254, 18.8974, 40.0429



0.9026, 1.1703, 2.2579

Inverse Universe

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



39.9245, 27.2220, 49.0508



59.3072, 36.4963, 72.3789



44.7551, 46.7319, 20.2983



12.1920, 11.9615, 14.2867



20.2653, 9.9790, 22.1012



1.1618, 0.5694, 1.3869

Previews

White Background



This preview shows how the XYZ color 34.6780, 42.3162, 66.0146 looks on a white background.

Color Contrast Check

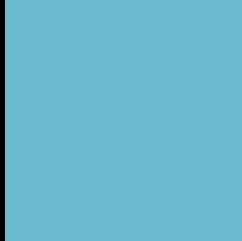
Large Text (above 18pt) WCAG AA × Fail

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 34.6780, 42.3162, 66.0146 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 34.6780, 42.3162, 66.0146

Background



This preview shows how black text looks on a background with the XYZ color 34.6780, 42.3162, 66.0146.



This preview shows how white text looks on a background with the XYZ color 34.6780, 42.3162,

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

34.6780, 42.3162, 66.0146

Protanopia

41.2098, 41.9534, 59.9587

Deuteranopia

42.7404, 41.7370, 67.4314



Tritanopia

33.8104, 42.2779, 61.6368

Trichromacy



Original Color

34.6780, 42.3162, 66.0146

Protanomaly

38.0599, 41.7283, 61.9255

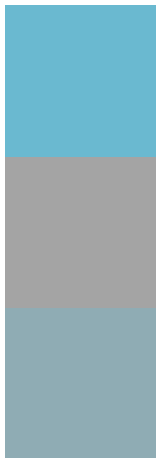
Deuteranomaly

38.9955, 41.5161, 66.9309

Tritanomaly

34.2837, 42.4807, 63.5194

Monochromacy



Original Color

34.6780, 42.3162, 66.0146

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

34.3184, 38.6400, 48.8295

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.6780, 42.3162, 66.0146 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(106, 185, 208)` looks like.

```
.text, #text, p{  
    color:rgb(106, 185, 208)  
}
```

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(106, 185, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 185, 208) }
```

Border

The CSS property to change the border of an element to XYZ 34.6780, 42.3162, 66.0146 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(106, 185, 208) }
```


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

```
.border{ border-color:rgb(106, 185, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 185, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 185, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 185, 208);  
box-shadow:4px 4px 4px 4px rgb(106, 185,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 34.6780, 42.3162, 66.0146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 185, 208) }
```

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

```
.background{ background-color: rgb(106,  
185, 208) }
```

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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