

Converting Colors

XYZ(46.0558, 67.2079, 63.2420)

Have a look what the booklet for
XYZ(46.0558, 67.2079, 63.2420)
contains.

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Color

**XYZ(46.0174, 67.0863,
63.3469)**

Conversions

Conversions Part 1

Format	Color
Hex	6AECC5
RGB	106, 236, 197
RGB Percent	42%, 93%, 77%
CMY	0.5843, 0.0745, 0.2274
CMYK	0.55, 0.00, 0.17, 0.07
HSL	162°, 77%, 67%
HSV	162°, 55%, 93%
XYZ	46.0174, 67.0863, 63.3469
YIQ	192.6840, -64.9610, -39.6890

Conversions

Conversions Part 2

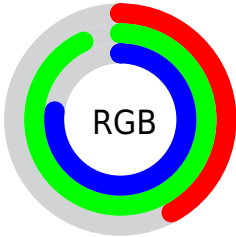
Format	Color
RYB	106, 182, 236
Decimal	7007429
CIELab	85.55, -45.09, 8.12
CIELCh	86, 45.817, 169.792
Yxy	67.0863, 0.2608, 0.3802
Android (android.graphics.Color)	4285197509 (0xFF6AECC5)
YUV	192.6840, 2.1278, -76.0219
Hunter-Lab	81.9062, -43.0492, 11.4790

Details

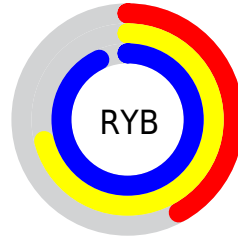
The XYZ color **46.0174, 67.0863, 63.3469** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **44.8593, 30.1871, 30.2531**, and the grayscale version is **50.5200, 53.1510, 57.8814**.

A 20% lighter version of the original color is **69.3753, 86.7827, 106.8602**, and **21.7712, 34.5807, 31.5139** is the 20% darker color. If you saturate the color by 10%, you get **42.7972, 65.5195, 59.0610**, and if you desaturate by 10%, it is **50.0510, 69.0714, 67.8727**.

Distribution



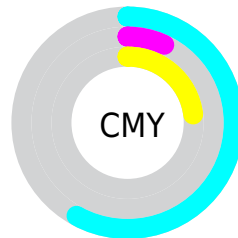
- Red (42%)
- Green (93%)
- Blue (77%)



- Red (42%)
- Yellow (71%)
- Blue (93%)



- Cyan (55%)
- Magenta (0%)
- Yellow (17%)
- Black (7%)




- Cyan (58%)
- Magenta (7%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.0174, 67.0863, 63.3469 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 46.0174, 67.0863, 63.3469 by changing the saturation by 10% instead.


 46.0174, 67.0863,
63.3469


 46.0174, 67.0863,
63.3469

361.5934,
450.2519, 454.9699


 32.4642, 49.1548,
45.6791


 83.4727, 115.0441,
111.2602

 21.8736, 34.7423,
31.6458


 108.1056,
145.8391, 142.3429

 13.8801, 23.4644,
20.8286


 137.1625,
181.6907, 178.7342

 8.1185, 14.9368,
12.8087

171.0086,
222.9833, 220.8527

 4.2233, 8.7750,
7.1678

210.0094,
270.1014, 269.1170

 1.8292, 4.5947,
3.4872

254.5302,

 0.5352, 2.0115,

323.4292, 323.9456

1.3485

304.9364,
383.3513, 385.7571

■ 0.0000, 0.6141,
0.1010

■ 0.0000, 0.0000,
0.0000

■ 46.0174, 67.0863,
63.3469

■ 46.0174, 67.0863,
63.3469

■ 42.7972, 65.5195,
59.0610

■ 50.0510, 69.0714,
67.8727

■ 40.3193, 64.3293,
55.0047


■ 54.9506, 71.4968,
72.6392


■ 38.5094, 63.4792,
51.1731


■ 60.7706, 74.3922,
77.6530


■ 37.2741, 62.9211,
47.5591


■ 67.5595, 77.7825,
82.9189


 36.8062, 62.7171,
45.8579

 75.3621, 81.6908,
88.4415

 84.2206, 86.1386,
94.2251

 87.9581, 87.9418,
99.9832

 89.0694, 88.3863,
105.8349

 89.2866, 88.4732,
106.9789

Harmonies

Analogous

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



49.6613, 67.0863, 41.9273



46.0174, 67.0863, 63.3469



46.7176, 67.0863, 94.2349

Triad

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



46.0174, 67.0863, 63.3469



70.7868, 67.0863, 141.3804



77.5831, 67.0863, 37.4197

Complementary

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



46.0174, 67.0863, 63.3469



44.8593, 30.1871, 30.2531

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.



84.5207, 67.0863, 55.2975



46.0174, 67.0863, 63.3469



80.3107, 67.0863, 116.6720

Square

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



46.0174, 67.0863, 63.3469



60.2804, 67.0863, 145.2670



85.5699, 67.0863, 83.6869



67.3783, 67.0863, 29.8951

Rectangle

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



46.0174, 67.0863, 63.3469



49.5823, 67.0863, 116.2373



85.5699, 67.0863, 83.6869



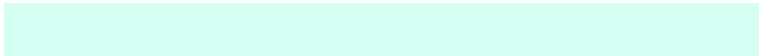
80.4196, 67.0863, 42.1477

Sweetspot

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



46.0193, 67.0890, 63.3485



78.8367, 91.8755, 97.5785



44.6617, 67.2528, 24.2641



16.5146, 19.4854, 20.6121



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.



46.0193, 67.0890, 63.3485



50.6225, 77.9158, 69.8173



44.6715, 56.2932, 87.8712



15.3140, 17.0404, 18.3362



20.3473, 34.5934, 25.5919



1.6399, 2.7333, 2.2315

Inverse Universe

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



44.8593, 30.1871, 30.2531



49.1532, 29.8396, 26.9085



45.1562, 34.7964, 17.9733



15.2514, 15.1284, 16.6094



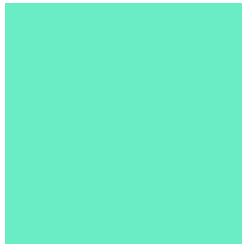
19.7411, 10.0991, 4.4382



1.5913, 0.8095, 0.5652

Previews

White Background



This preview shows how the XYZ color 46.0174, 67.0863, 63.3469 looks on a white background.

Color Contrast Check

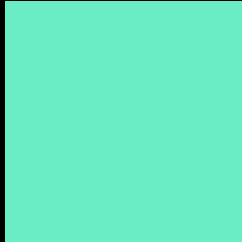
Large Text (above 18pt) WCAG AA × Fail

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 46.0174, 67.0863, 63.3469 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

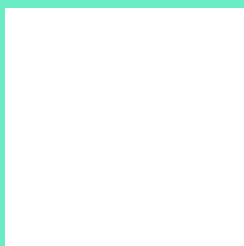
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.0174, 67.0863, 63.3469

Background



This preview shows how black text looks on a background with the XYZ color 46.0174, 67.0863, 63.3469.



This preview shows how white text looks on a background with the XYZ color 46.0174, 67.0863, 63.3469.

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

46.0174, 67.0863, 63.3469

Protanopia

62.3194, 66.0773, 54.8170

Deuteranopia

67.3225, 65.8551, 66.2898



Tritanopia

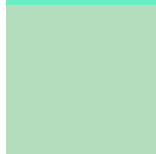
52.8339, 66.8916, 98.1224

Trichromacy



Original Color

46.0174, 67.0863, 63.3469



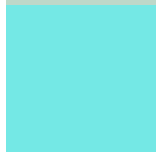
Protanomaly

53.8641, 65.0903, 57.8689



Deuteranomaly

56.0847, 64.1476, 64.6841



Tritanomaly

50.2019, 67.0834, 84.4312

Monochromacy



Original Color

46.0174, 67.0863, 63.3469



Achromatopsia

50.6879, 53.3276, 58.0738



Achromatomaly

47.2360, 57.0730, 59.5655

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.0174, 67.0863, 63.3469 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, 236, 197)` looks like.

```
.text, #text, p{  
    color:rgb(106, 236, 197)  
}
```

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, 236, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 236, 197) }
```

Border

The CSS property to change the border of an element to XYZ 46.0174, 67.0863, 63.3469 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, 236, 197) }
```


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

```
.border{ border-color:rgb(106, 236, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 236, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 236, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 236, 197);  
box-shadow:4px 4px 4px 4px rgb(106, 236,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 46.0174, 67.0863, 63.3469 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 236, 197) }
```

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

```
.background{ background-color: rgb(106,  
236, 197) }
```

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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