

# Converting Colors

XYZ(46.0529, 67.7931, 69.0962)

Have a look what the booklet for  
XYZ(46.0529, 67.7931, 69.0962)  
contains.

<b>XYZ(46.0295, 67.8294, 69.0589)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(46.0295, 67.8294,  
69.0589)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5BEECE
RGB	91, 238, 206
RGB Percent	36%, 93%, 81%
CMY	0.6431, 0.0667, 0.1921
CMYK	0.62, 0.00, 0.13, 0.07
HSL	167°, 81%, 65%
HSV	167°, 62%, 93%
XYZ	46.0295, 67.8294, 69.0589
YIQ	190.3990, -77.3400, -41.1160

# Conversions

## Conversions Part 2

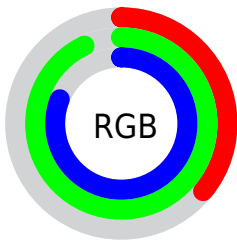
<b>Format</b>	<b>Color</b>
<b>RYB</b>	91, 173, 238
Decimal	6024910
CIELab	85.92, -46.67, 3.89
CIELCh	86, 46.829, 175.236
Yxy	67.8294, 0.2516, 0.3708
Android (android.graphics.Color)	4284214990 (0xFF5BEECE)
YUV	190.3990, 7.6913, -87.1729
Hunter-Lab	82.3586, -44.3655, 7.9355

# Details

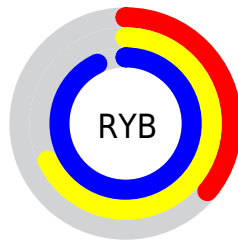
The XYZ color **46.0295, 67.8294, 69.0589** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted cyan. A complement of this color would be **42.5784, 27.0913, 21.7265**, and the grayscale version is **49.1644, 51.7248, 56.3283**.

A 20% lighter version of the original color is **67.1364, 85.6100, 107.5937**, and **22.1914, 35.3147, 35.3526** is the 20% darker color. If you saturate the color by 10%, you get **43.4260, 66.5605, 65.7063**, and if you desaturate by 10%, it is **49.4013, 69.4954, 72.5588**.

# Distribution



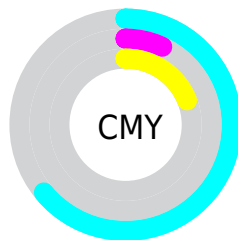
- Red (36%)
- Green (93%)
- Blue (81%)



- Red (36%)
- Yellow (68%)
- Blue (93%)



- Cyan (62%)
- Magenta (0%)
- Yellow (13%)
- Black (7%)




- Cyan (64%)
- Magenta (7%)
- Yellow (19%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 46.0295, 67.8294, 69.0589 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 46.0295, 67.8294, 69.0589 by changing the saturation by 10% instead.





 46.0295, 67.8294,  
69.0589


 46.0295, 67.8294,  
69.0589


361.6412,  
452.8913, 475.9382


 32.4738, 49.7590,  
50.2876


 83.4907, 116.1081,  
119.5342


 21.8810, 35.2219,  
35.2692

 108.1270,  
147.0851, 152.0753

 13.8856, 23.8339,  
23.5851


 137.1875,  
183.1330, 190.0434

 8.1223, 15.2104,  
14.8168

 171.0376,  
224.6364, 233.8571

 4.2258, 8.9672,  
8.5457

210.0427,  
271.9795, 283.9349

 1.8306, 4.7198,  
4.3533

254.5681,

 0.5360, 2.0838,

325.5467, 340.6953

1.8211

304.9791,  
385.7226, 404.5569

■ 0.0000, 0.6555,  
0.4418

■ 0.0000, 0.0000,  
0.0000

■ 46.0295, 67.8294,  
69.0589

■ 46.0295, 67.8294,  
69.0589

■ 43.4260, 66.5605,  
65.7063

■ 49.4013, 69.4954,  
72.5588

■ 41.5117, 65.6428,  
62.4918


■ 53.5994, 71.5832,  
76.2052


■ 40.2005, 65.0336,  
59.4118


■ 58.6828, 74.1250,  
80.0034


■ 39.4587, 64.7045,  
56.9696


■ 64.7033, 77.1474,  
83.9568

 71.7088, 80.6751,  
88.0686

 79.7437, 84.7310,  
92.3418

 87.8835, 88.8384,  
96.7342

 88.6742, 89.1547,  
100.8978

 89.4871, 89.4799,  
105.1785

# Harmonies

## Analogous

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



48.9728, 67.8294, 45.0443



46.0295, 67.8294, 69.0589



47.5612, 67.8294, 101.9971

# Triad

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



46.0295, 67.8294, 69.0589



73.6653, 67.8294, 141.1734



76.9543, 67.8294, 35.1930

# Complementary

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



46.0295, 67.8294, 69.0589



42.5784, 27.0913, 21.7265

# 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.



84.9748, 67.8294, 51.4327



46.0295, 67.8294, 69.0589



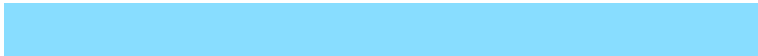
82.9332, 67.8294, 112.8966

# Square

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



46.0295, 67.8294, 69.0589



62.7728, 67.8294, 149.7053



87.2752, 67.8294, 78.8675



66.1972, 67.8294, 29.2569



# Rectangle

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



46.0295, 67.8294, 69.0589



51.0143, 67.8294, 124.2102



87.2752, 67.8294, 78.8675



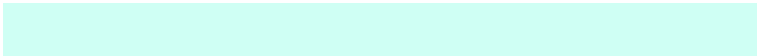
80.1049, 67.8294, 39.3639

# Sweetspot

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



46.0314, 67.8321, 69.0605



77.7645, 91.2798, 99.4686



40.9663, 66.2897, 20.5349



16.1683, 19.2980, 20.9991



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.



46.0314, 67.8321, 69.0605



50.1543, 77.5396, 75.8876



40.1266, 49.1546, 88.2647



16.0914, 17.8666, 19.5044



22.0633, 36.1173, 32.0459



1.8715, 3.0190, 2.8558



# Inverse Universe

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



42.5784, 27.0913, 21.7265



45.8797, 26.2611, 16.6659



45.1597, 34.9532, 14.2653



15.9136, 15.8152, 17.1015



20.0540, 10.2940, 2.9348

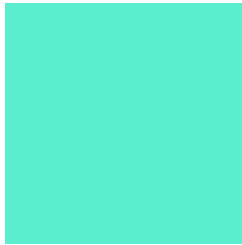


1.7042, 0.8707, 0.4329



# Previews

## White Background



This preview shows how the XYZ color 46.0295, 67.8294, 69.0589 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

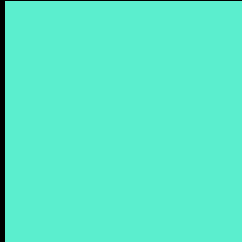
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 46.0295, 67.8294, 69.0589 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

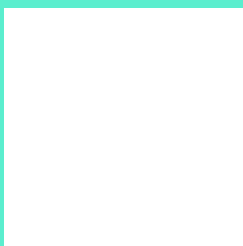
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 46.0295, 67.8294, 69.0589**

## **Background**



This preview shows how black text looks on a background with the XYZ color 46.0295, 67.8294, 69.0589.



This preview shows how white text looks on a background with the XYZ color 46.0295, 67.8294,



# 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

46.0295, 67.8294, 69.0589

### Protanopia

63.1821, 66.4223, 59.3599

### Deuteranopia

68.0132, 66.4391, 72.1901



## Tritanopia

52.4186, 67.8666, 100.7793

# Trichromacy



## Original Color

46.0295, 67.8294, 69.0589



## Protanomaly

53.3901, 64.7428, 62.5060



## Deuteranomaly

55.9957, 64.7410, 70.5178



## Tritanomaly

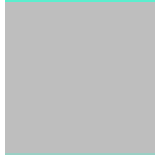
49.7536, 67.6109, 88.2698

# Monochromacy



## Original Color

46.0295, 67.8294, 69.0589



## Achromatopsia

48.9429, 51.4918, 56.0745



## Achromatomaly

45.6031, 55.4812, 60.5300

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 46.0295, 67.8294, 69.0589 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(91, 238, 206)` looks like.

```
.text, #text, p{  
    color:rgb(91, 238, 206)  
}
```

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(91, 238, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 238, 206) }
```

## Border

The CSS property to change the border of an element to XYZ 46.0295, 67.8294, 69.0589 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(91, 238, 206) }
```



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

```
.border{ border-color:rgb(91, 238, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 238, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 238, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 238, 206);  
box-shadow:4px 4px 4px 4px rgb(91, 238,  
206) }
```

# Background

The CSS property to change the background color of an element to XYZ 46.0295, 67.8294, 69.0589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 238, 206) }
```

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

```
.background{ background-color: rgb(91, 238,  
206) }
```

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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