

# Converting Colors

XYZ(26.4179, 36.5584, 46.2713)

Have a look what the booklet for  
XYZ(26.4179, 36.5584, 46.2713)  
contains.

<b>XYZ(26.4565, 36.6749, 46.2420)</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(26.4565, 36.6749,  
46.2420)**

# Conversions

## Conversions Part 1

Format	Color
Hex	47B3AF
RGB	71, 179, 175
RGB Percent	28%, 70%, 69%
CMY	0.7215, 0.2980, 0.3137
CMYK	0.60, 0.00, 0.02, 0.30
HSL	178°, 43%, 49%
HSV	178°, 60%, 70%
XYZ	26.4565, 36.6749, 46.2420
YIQ	146.2520, -63.0840, -24.1400

# Conversions

## Conversions Part 2

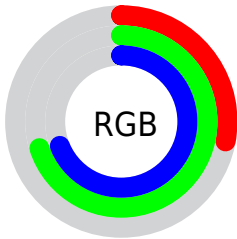
<b>Format</b>	<b>Color</b>
<b>RYB</b>	71, 126, 179
Decimal	4699055
CIELab	67.03, -31.43, -7.17
CIELCh	67, 32.243, 192.856
Yxy	36.6749, 0.2419, 0.3353
Android (android.graphics.Color)	4282889135 (0xFF47B3AF)
YUV	146.2520, 14.1728, -65.9960
Hunter-Lab	60.5598, -27.9991, -2.8805

# Details

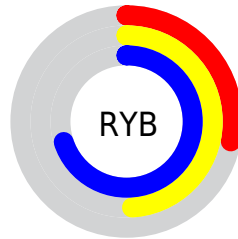
The XYZ color **26.4565, 36.6749, 46.2420** is a dark color, and the websafe version is hex **66CCCC**. A complement of this color would be **22.1149, 14.5993, 8.3103**, and the grayscale version is **27.3883, 28.8146, 31.3791**.

A 20% lighter version of the original color is **53.3513, 69.9551, 85.5537**, and **11.0360, 16.3518, 21.3134** is the 20% darker color. If you saturate the color by 10%, you get **25.2674, 36.0702, 45.8479**, and if you desaturate by 10%, it is **28.0348, 37.4818, 46.6576**.

# Distribution



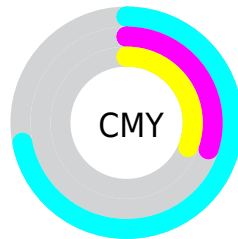
- Red (28%)
- Green (70%)
- Blue (69%)



- Red (28%)
- Yellow (49%)
- Blue (70%)



- Cyan (60%)
- Magenta (0%)
- Yellow (2%)
- Black (30%)



- Cyan (72%)
- Magenta (30%)
- Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 26.4565, 36.6749, 46.2420 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 26.4565, 36.6749, 46.2420 by changing the saturation by 10% instead.



■ 26.4565, 36.6749,  
46.2420

■ 26.4565, 36.6749,  
46.2420

277.2317,  
331.9009, 388.0865

■ 17.2999, 24.9559,  
32.0868

■ 53.4366, 70.0725,  
85.9192

■ 10.5452, 16.0442,  
21.1624

■ 71.9907, 92.5199,  
112.2782

■ 5.8269, 9.5554,  
13.0504

■ 94.4082, 119.3121,  
143.5422

■ 2.7798, 5.1052,  
7.3321

■ 121.0542,  
150.8337, 180.1298

■ 1.0384, 2.3091,  
3.5891

■ 152.2943,  
187.4690, 222.4595

■ 0.0000, 0.7785,  
1.4027

188.4936,

■ 0.0000, 0.0000,

229.6023, 270.9498

0.1438

230.0176,  
277.6182, 326.0193

■ 0.0000, 0.0000,  
0.0000

■ 26.4565, 36.6749,  
46.2420

■ 26.4565, 36.6749,  
46.2420

■ 25.2674, 36.0702,  
45.8479

■ 28.0348, 37.4818,  
46.6576

■ 24.4291, 35.6455,  
45.4711

■ 30.0297, 38.5027,  
47.0935

■ 23.9013, 35.3809,  
45.1105

■ 32.4702, 39.7532,  
47.5520

■ 23.6027, 35.2341,  
44.7734

■ 35.3816, 41.2464,  
48.0342

■ 38.7872, 42.9944,  
48.5412

■ 42.7091, 45.0084,  
49.0741

■ 47.1677, 47.2992,  
49.6337

■ 52.1825, 49.8766,  
50.2211

■ 57.7719, 52.7502,  
50.8370

# Harmonies

## Analogous

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



26.6086, 36.6749, 32.4956



26.4565, 36.6749, 46.2420



28.3981, 36.6749, 61.2392

# Triad

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



26.4565, 36.6749, 46.2420



41.6669, 36.6749, 63.1574



37.7099, 36.6749, 19.3009

# Complementary

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



26.4565, 36.6749, 46.2420



22.1149, 14.5993, 8.3103

# 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.



42.2309, 36.6749, 24.2488



26.4565, 36.6749, 46.2420



44.6582, 36.6749, 48.4259

# Square

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



26.4565, 36.6749, 46.2420



36.9969, 36.6749, 72.4367



44.8738, 36.6749, 34.2252



32.8039, 36.6749, 18.9809



# Rectangle

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



26.4565, 36.6749, 46.2420



30.7344, 36.6749, 69.0761



44.8738, 36.6749, 34.2252



39.3357, 36.6749, 20.4134

# Sweetspot

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



26.4576, 36.6763, 46.2429



64.5298, 74.4662, 86.2057



20.2710, 34.2495, 11.5046



13.9320, 16.3109, 19.0421



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787



# Same Dimension

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



26.4576, 36.6763, 46.2429



44.7571, 64.3476, 81.9119



18.7724, 20.6676, 45.6491



8.7288, 9.6260, 10.8314



16.6837, 24.8995, 31.6669



0.5291, 0.7851, 1.0184



# Inverse Universe

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



22.1149, 14.5993, 8.3103



36.3264, 21.3988, 8.2047



26.3975, 23.3770, 9.0831



8.5087, 8.5102, 8.9112



13.1679, 6.7847, 0.7783

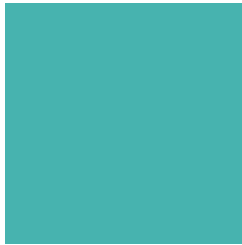


0.4185, 0.2152, 0.0466



# Previews

## White Background



This preview shows how the XYZ color 26.4565, 36.6749, 46.2420 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 26.4565, 36.6749, 46.2420 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

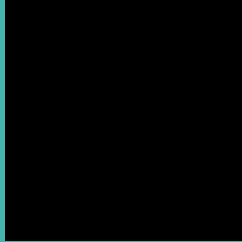
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 26.4565, 36.6749, 46.2420**

## **Background**



This preview shows how black text looks on a background with the XYZ color 26.4565, 36.6749, 46.2420.



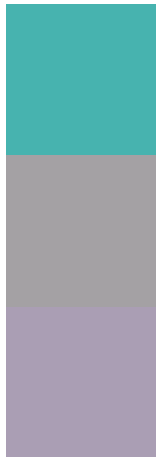
This preview shows how white text looks on a background with the XYZ color 26.4565, 36.6749,



# 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

26.4565, 36.6749, 46.2420

### Protanopia

34.7556, 36.0626, 40.2509

### Deuteranopia

37.0426, 36.2951, 48.2333



## Tritanopia

28.2680, 36.8256, 54.9084

# Trichromacy



## Original Color

26.4565, 36.6749, 46.2420



## Protanomaly

30.2764, 35.5782, 42.3173



## Deuteranomaly

31.5036, 35.5551, 47.3219



## Tritanomaly

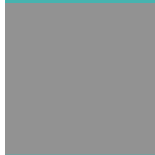
27.5790, 36.8394, 51.5561

# Monochromacy



## Original Color

26.4565, 36.6749, 46.2420



## Achromatopsia

27.3213, 28.7441, 31.3023



## Achromatomaly

25.9204, 30.8100, 36.4791

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 26.4565, 36.6749, 46.2420 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(71, 179, 175)` looks like.

```
.text, #text, p{  
    color:rgb(71, 179, 175)  
}
```

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(71, 179, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 179, 175) }
```

## Border

The CSS property to change the border of an element to XYZ 26.4565, 36.6749, 46.2420 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(71, 179, 175) }
```



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

```
.border{ border-color:rgb(71, 179, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 179, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 179, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 179, 175);  
box-shadow:4px 4px 4px 4px rgb(71, 179,  
175) }
```

# Background

The CSS property to change the background color of an element to XYZ 26.4565, 36.6749, 46.2420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 179, 175) }
```

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

```
.background{ background-color: rgb(71, 179,  
175) }
```

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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