

# Converting Colors

XYZ(36.4515, 53.1846, 67.5461)

Have a look what the booklet for  
XYZ(36.4515, 53.1846, 67.5461)  
contains.

<b>XYZ(36.4358, 53.1790, 67.3757)</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(36.4358, 53.1790,  
67.3757)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2ED6CF
RGB	46, 214, 207
RGB Percent	18%, 84%, 81%
CMY	0.8196, 0.1608, 0.1882
CMYK	0.78, 0.00, 0.03, 0.16
HSL	177°, 67%, 51%
HSV	177°, 78%, 84%
XYZ	36.4358, 53.1790, 67.3757
YIQ	162.9700, -97.8810, -37.7930

# Conversions

## Conversions Part 2

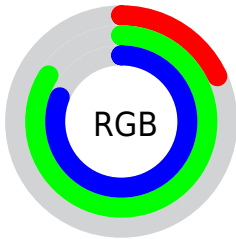
Format	Color
<a href="#">RYB</a>	<a href="#">46, 132, 214</a>
Decimal	<a href="#">3069647</a>
CIELab	<a href="#">77.98, -41.87, -8.39</a>
CIELCh	<a href="#">78, 42.704, 191.336</a>
Yxy	<a href="#">53.1790, 0.2321, 0.3387</a>
Android (android.graphics.Color)	<a href="#">4281259727</a> ( <a href="#">0xFF2ED6CF</a> )
YUV	<a href="#">162.9700, 21.7068, -102.5827</a>
Hunter-Lab	<a href="#">72.9239, -38.4309, -3.7323</a>

# Details

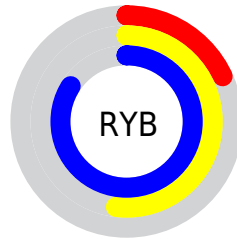
The XYZ color **36.4358, 53.1790, 67.3757** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **29.3530, 16.5089, 5.0095**, and the grayscale version is **34.7350, 36.5440, 39.7964**.

A 20% lighter version of the original color is **61.8360, 82.8776, 107.3456**, and **17.9766, 26.7536, 34.3535** is the 20% darker color. If you saturate the color by 10%, you get **35.5927, 52.7581, 66.7697**, and if you desaturate by 10%, it is **37.7627, 53.8516, 68.0099**.

# Distribution



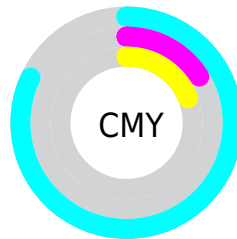
- Red (18%)
- Green (84%)
- Blue (81%)



- Red (18%)
- Yellow (52%)
- Blue (84%)



- Cyan (78%)
- Magenta (0%)
- Yellow (3%)
- Black (16%)




- Cyan (82%)
- Magenta (16%)
- Yellow (19%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 36.4358, 53.1790, 67.3757 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 36.4358, 53.1790, 67.3757 by changing the saturation by 10% instead.





 36.4358, 53.1790,  
67.3757


 36.4358, 53.1790,  
67.3757


322.2595,  
398.9715, 469.8188


 24.9426, 37.9457,  
48.9265


 69.0237, 94.8677,  
117.1043

 16.1628, 25.9405,  
34.1960

 90.8491, 122.0919,  
149.2209

 9.7310, 16.7792,  
22.7656


 116.8493,  
154.0818, 186.7302

 5.2819, 10.0772,  
14.2169

 147.3896,  
191.2219, 230.0510

 2.4500, 5.4501,  
8.1312

 182.8354,  
233.8965, 279.6017

 0.8701, 2.5137,  
4.0900

223.5521,

 0.0000, 0.8835,

282.4901, 335.8008

1.6749

269.9050,  
337.3869, 399.0670

■ 0.0000, 0.0000,  
0.3434

■ 0.0000, 0.0000,  
0.0000

■ 36.4358, 53.1790,  
67.3757

■ 36.4358, 53.1790,  
67.3757

■ 35.5927, 52.7581,  
66.7697

■ 37.7627, 53.8516,  
68.0099

■ 35.1333, 52.5338,  
66.1838

■ 39.6315, 54.8023,  
68.6715

■ 35.0769, 52.5066,  
66.0966

■ 42.0972, 56.0606,  
69.3643

■ 45.2069, 57.6509,  
70.0904

■ 49.0029, 59.5949,  
70.8519

■ 53.5240, 61.9126,  
71.6506

■ 58.8059, 64.6224,  
72.4881

■ 64.8821, 67.7417,  
73.3660

■ 71.7841, 71.2866,  
74.2859

# Harmonies

## Analogous

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



36.8626, 53.1790, 44.4530



36.4358, 53.1790, 67.3757



39.4674, 53.1790, 93.7084

# Triad

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



36.4358, 53.1790, 67.3757



61.8551, 53.1790, 99.5284



55.8352, 53.1790, 24.4582

# Complementary

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



36.4358, 53.1790, 67.3757



29.3530, 16.5089, 5.0095

# 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.



63.5228, 53.1790, 32.6239



36.4358, 53.1790, 67.3757



67.2526, 53.1790, 73.8241

# Square

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



36.4358, 53.1790, 67.3757



53.7527, 53.1790, 115.3890



67.8944, 53.1790, 49.3624



47.4676, 53.1790, 23.6154



# Rectangle

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



36.4358, 53.1790, 67.3757



43.2585, 53.1790, 108.0785



67.8944, 53.1790, 49.3624



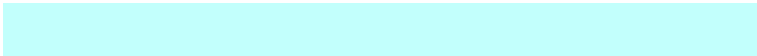
58.6071, 53.1790, 26.3060

# Sweetspot

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



36.4374, 53.1810, 67.3770



75.5988, 90.0197, 105.8602



26.0844, 49.0879, 10.6863



15.6851, 19.0136, 22.5681



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.



36.4374, 53.1810, 67.3770



52.4448, 78.2172, 98.7271



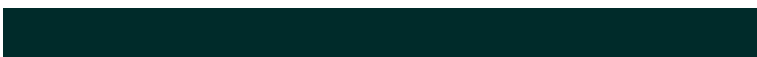
22.4125, 23.7306, 67.0197



12.7688, 14.0985, 15.8629



21.2110, 31.7397, 40.0023



1.2864, 1.9172, 2.4501



# Inverse Universe

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



29.3530, 16.5089, 5.0095



41.5937, 21.6816, 2.9290



35.1375, 28.3172, 6.2000



12.4440, 12.4291, 13.0125



16.8009, 8.6567, 0.9899

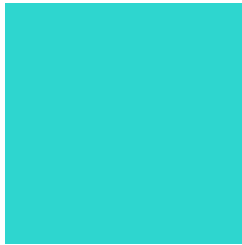


1.0209, 0.5251, 0.0994



# Previews

## White Background



This preview shows how the XYZ color 36.4358, 53.1790, 67.3757 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

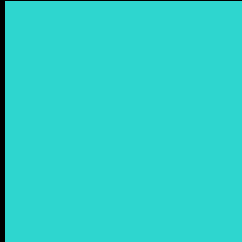
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 36.4358, 53.1790, 67.3757 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

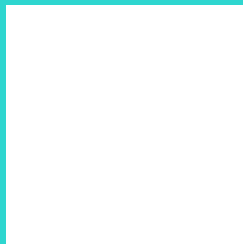
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 36.4358, 53.1790, 67.3757**

## **Background**



This preview shows how black text looks on a background with the XYZ color 36.4358, 53.1790, 67.3757.



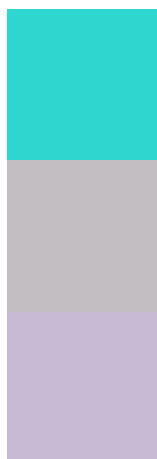
This preview shows how white text looks on a background with the XYZ color 36.4358, 53.1790,



# 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

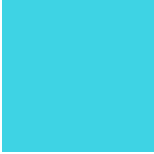
36.4358, 53.1790, 67.3757

### Protanopia

50.2872, 52.1465, 57.8669

### Deuteranopia

53.3886, 52.2013, 70.2128



## **Tritanopia**

39.2845, 53.2141, 81.5996

# Trichromacy



## Original Color

36.4358, 53.1790, 67.3757



## Protanomaly

41.4317, 50.4995, 60.9898



## Deuteranomaly

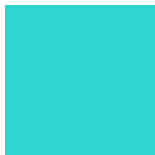
42.9994, 50.1123, 69.0343



## Tritanomaly

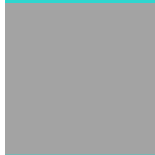
38.0926, 53.0950, 75.9508

# Monochromacy



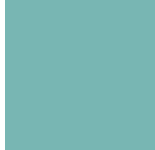
## Original Color

36.4358, 53.1790, 67.3757



## Achromatopsia

34.8123, 36.6253, 39.8849



## Achromatomaly

32.6104, 40.7036, 48.7857

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 36.4358, 53.1790, 67.3757 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(46, 214, 207)` looks like.

```
.text, #text, p{  
    color:rgb(46, 214, 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(46, 214, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 214, 207) }
```

## Border

The CSS property to change the border of an element to XYZ 36.4358, 53.1790, 67.3757 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(46, 214, 207) }
```



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

```
.border{ border-color:rgb(46, 214, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 214, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 214, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 214, 207);  
box-shadow:4px 4px 4px 4px rgb(46, 214,  
207) }
```

# Background

The CSS property to change the background color of an element to XYZ 36.4358, 53.1790, 67.3757 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 214, 207) }
```

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

```
.background{ background-color: rgb(46, 214,  
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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