

# Converting Colors

XYZ(30.6122, 42.3530, 55.8514)

Have a look what the booklet for  
XYZ(30.6122, 42.3530, 55.8514)  
contains.

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# Color

**XYZ(30.6333, 42.3628,  
55.8525)**

# Conversions

## Conversions Part 1

Format	Color
Hex	47BFBF
RGB	71, 191, 191
RGB Percent	28%, 75%, 75%
CMY	0.7215, 0.2510, 0.2510
CMYK	0.63, 0.00, 0.00, 0.25
HSL	180°, 48%, 51%
HSV	180°, 63%, 75%
XYZ	30.6333, 42.3628, 55.8525
YIQ	155.1200, -71.5200, -25.4400

# Conversions

## Conversions Part 2

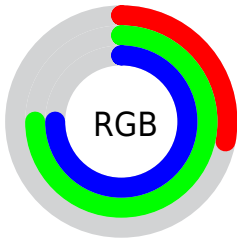
<b>Format</b>	<b>Color</b>
<b>RYB</b>	71, 131, 191
Decimal	4702143
CIELab	71.12, -32.71, -9.89
CIElCh	71, 34.171, 196.828
Yxy	42.3628, 0.2377, 0.3288
Android (android.graphics.Color)	4282892223 (0xFF47BFBF)
YUV	155.1200, 17.6888, -73.7732
Hunter-Lab	65.0867, -29.8901, -5.3175

# Details

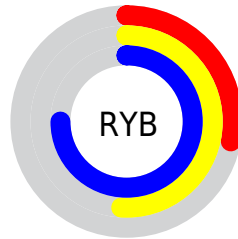
The XYZ color **30.6333, 42.3628, 55.8525** is a dark color, and the websafe version is hex **66CCCC**. A complement of this color would be **24.8778, 16.0391, 7.7472**, and the grayscale version is **31.1570, 32.7796, 35.6970**.

A 20% lighter version of the original color is **60.0288, 78.8367, 100.0489**, and **13.5331, 19.7263, 27.1390** is the 20% darker color. If you saturate the color by 10%, you get **29.4469, 41.7521, 55.7978**, and if you desaturate by 10%, it is **32.2624, 43.2036, 55.9298**.

# Distribution



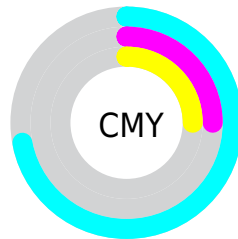
- Red (28%)
- Green (75%)
- Blue (75%)



- Red (28%)
- Yellow (51%)
- Blue (75%)



- Cyan (63%)
- Magenta (0%)
- Yellow (0%)
- Black (25%)




- Cyan (72%)
- Magenta (25%)
- Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 30.6333, 42.3628, 55.8525 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 30.6333, 42.3628, 55.8525 by changing the saturation by 10% instead.





 30.6333, 42.3628,  
55.8525


 30.6333, 42.3628,  
55.8525


296.7025,  
355.9847, 426.5081


 20.4702, 29.3855,  
39.6815


 60.0421, 78.7484,  
100.2725


 12.8476, 19.3726,  
26.9784


 80.0184, 102.9255,  
129.3586

 7.3999, 11.9398,  
17.3247

 103.9967,  
131.6046, 163.5868

 3.7620, 6.7027,  
10.3019

 132.3421,  
165.1702, 203.3756

 1.5684, 3.2769,  
5.4913

165.4200,  
204.0066, 249.1436

 0.3717, 1.2779,  
2.4746

203.5958,

 0.0000, 0.1240,

248.4982, 301.3093

0.8267

247.2348,  
299.0294, 360.2913

■ 0.0000, 0.0000,  
0.0000

■ 30.6333, 42.3628,  
55.8525

■ 30.6333, 42.3628,  
55.8525

■ 29.4469, 41.7521,  
55.7978

■ 32.2624, 43.2036,  
55.9298

■ 28.6565, 41.3447,  
55.7606

■ 34.3678, 44.2889,  
56.0285

■ 28.2121, 41.1156,  
55.7397

■ 36.9840, 45.6377,  
56.1511

■ 28.0355, 41.0245,  
55.7313

■ 40.1415, 47.2654,  
56.2991

■ 43.8683, 49.1866,  
56.4736

■ 48.1904, 51.4147,  
56.6761

■ 53.1323, 53.9624,  
56.9075

■ 58.7170, 56.8414,  
57.1690

■ 64.9666, 60.0632,  
57.4616

# Harmonies

## Analogous

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



30.4823, 42.3628, 39.3179



30.6333, 42.3628, 55.8525



33.2026, 42.3628, 73.1035

# Triad

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



30.6333, 42.3628, 55.8525



48.8246, 42.3628, 71.1901



42.8216, 42.3628, 21.7627

# Complementary

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



30.6333, 42.3628, 55.8525



24.8778, 16.0391, 7.7472

# 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.



48.2629, 42.3628, 26.7661



30.6333, 42.3628, 55.8525



51.9434, 42.3628, 53.6776

# Square

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



30.6333, 42.3628, 55.8525



43.5312, 42.3628, 83.2946



51.7286, 42.3628, 37.5996



37.1656, 42.3628, 22.0793



# Rectangle

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



30.6333, 42.3628, 55.8525



36.0924, 42.3628, 81.5402



51.7286, 42.3628, 37.5996



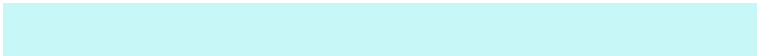
44.7465, 42.3628, 22.8164

# Sweetspot

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



30.6346, 42.3644, 55.8535



74.1243, 85.8009, 100.9330



22.5171, 39.1347, 12.3293



15.8719, 18.6322, 22.1450



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138



# Same Dimension

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



30.6346, 42.3644, 55.8535



52.1865, 74.4916, 99.9047



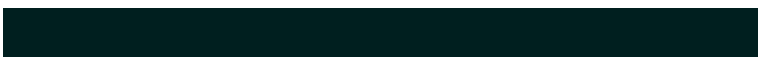
20.3915, 21.8779, 52.4401



9.8086, 10.8096, 12.2417



18.4239, 26.9598, 36.6246



0.7217, 1.0560, 1.4346



# Inverse Universe

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



24.8778, 16.0391, 7.7472



41.0602, 23.6115, 6.9278



30.4750, 27.2335, 9.6127



9.5302, 9.5364, 9.9151



14.1202, 7.2793, 0.6609

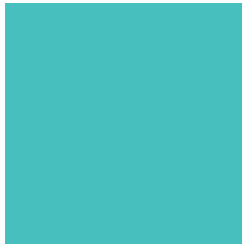


0.5531, 0.2851, 0.0259



# Previews

## White Background



This preview shows how the XYZ color 30.6333, 42.3628, 55.8525 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 30.6333, 42.3628, 55.8525 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

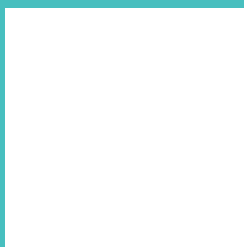
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 30.6333, 42.3628, 55.8525**

## **Background**



This preview shows how black text looks on a background with the XYZ color 30.6333, 42.3628, 55.8525.



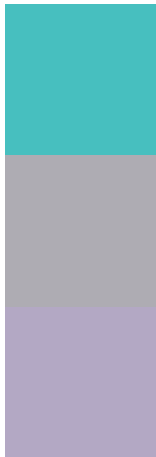
This preview shows how white text looks on a background with the XYZ color 30.6333, 42.3628,



# 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

30.6333, 42.3628, 55.8525

### Protanopia

40.3448, 41.7584, 48.5816

### Deuteranopia

42.5568, 41.5745, 58.0062



## Tritanopia

32.1572, 42.3326, 63.6029

# Trichromacy



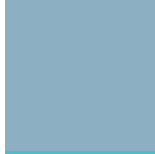
## Original Color

30.6333, 42.3628, 55.8525



## Protanomaly

34.9839, 40.9775, 50.8653



## Deuteranomaly

36.0782, 40.5212, 56.9588



## Tritanomaly

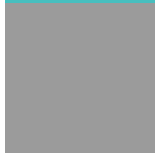
31.6239, 42.4463, 60.5590

# Monochromacy



## Original Color

30.6333, 42.3628, 55.8525



## Achromatopsia

31.1553, 32.7778, 35.6950



## Achromatomaly

29.3827, 35.1175, 42.2755

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 30.6333, 42.3628, 55.8525 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, 191, 191)` looks like.

```
.text, #text, p{  
    color:rgb(71, 191, 191)  
}
```

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, 191, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 191, 191) }
```

## Border

The CSS property to change the border of an element to XYZ 30.6333, 42.3628, 55.8525 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, 191, 191) }
```



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

```
.border{ border-color:rgb(71, 191, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 191, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 191, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 191, 191);  
box-shadow:4px 4px 4px 4px rgb(71, 191,  
191) }
```

# Background

The CSS property to change the background color of an element to XYZ 30.6333, 42.3628, 55.8525 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 191, 191) }
```

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

```
.background{ background-color: rgb(71, 191,  
191) }
```

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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