

Converting Colors

XYZ(30.7456, 40.3479, 62.1196)

Have a look what the booklet for
XYZ(30.7456, 40.3479, 62.1196)
contains.

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Color

**XYZ(30.7573, 40.3787,
62.0499)**

Conversions

Conversions Part 1

Format	Color
Hex	49B9CA
RGB	73, 185, 202
RGB Percent	29%, 73%, 79%
CMY	0.7137, 0.2745, 0.2078
CMYK	0.64, 0.08, 0.00, 0.21
HSL	188°, 55%, 54%
HSV	188°, 64%, 79%
XYZ	30.7573, 40.3787, 62.0499
YIQ	153.4500, -72.2090, -18.4570

Conversions

Conversions Part 2

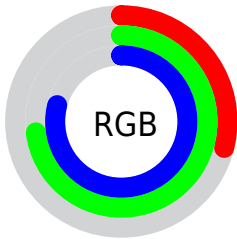
Format	Color
RYB	73, 133, 202
Decimal	4831690
CIELab	69.74, -26.29, -17.99
CIElCh	70, 31.855, 214.385
Yxy	40.3787, 0.2309, 0.3032
Android (android.graphics.Color)	4283021770 (0xFF49B9CA)
YUV	153.4500, 23.9352, -70.5546
Hunter-Lab	63.5442, -24.8031, -13.4147

Details

The XYZ color **30.7573, 40.3787, 62.0499** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted azure. A complement of this color would be **29.2169, 20.3511, 8.6928**, and the grayscale version is **30.3972, 31.9802, 34.8265**.

A 20% lighter version of the original color is **59.4970, 75.2815, 106.0027**, and **13.5966, 18.6406, 30.8984** is the 20% darker color. If you saturate the color by 10%, you get **28.9168, 38.6117, 61.8066**, and if you desaturate by 10%, it is **33.1077, 42.4257, 62.3219**.

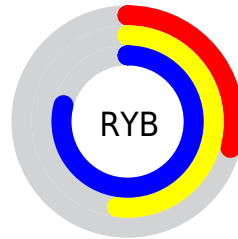
Distribution



Red (29%)

Green (73%)

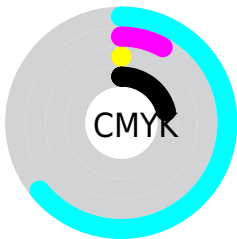
Blue (79%)



Red (29%)

Yellow (52%)

Blue (79%)

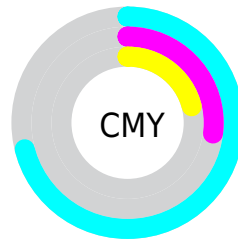


Cyan (64%)

Magenta (8%)

Yellow (0%)

Black (21%)



Cyan (71%)

Magenta (27%)

Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.7573, 40.3787, 62.0499 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 30.7573, 40.3787, 62.0499 by changing the saturation by 10% instead.

■ 30.7573, 40.3787,
62.0499

■ 30.7573, 40.3787,
62.0499

297.2655,
347.7172, 450.1258

■ 20.5650, 27.8339,
44.6370

■ 60.2362, 75.7398,
109.3699

■ 12.9171, 18.2005,
30.8307

■ 80.2536, 99.3250,
140.1141

■ 7.4481, 11.0940,
20.2126

■ 104.2766,
127.3591, 176.1392

■ 3.7927, 6.1301,
12.3641

■ 132.6708,
160.2265, 217.8636

■ 1.5855, 2.9244,
6.8666

165.8014,
198.3116, 265.7059

■ 0.3829, 1.0924,
3.3016

204.0339,

■ 0.0000, 0.0000,

241.9988, 320.0847

1.2506

247.7334,
291.6725, 381.4184

■ 0.0000, 0.0000,
0.0208

■ 0.0000, 0.0000,
0.0000

■ 30.7573, 40.3787,
62.0499

■ 30.7573, 40.3787,
62.0499

■ 28.9168, 38.6117,
61.8066

■ 33.1077, 42.4257,
62.3219

■ 27.5321, 37.0943,
61.5867

■ 36.0077, 44.7707,
62.6217

■ 26.5437, 35.7965,
61.3883

■ 39.4973, 47.4353,
62.9521

■ 26.0653, 35.0733,
61.2739

■ 43.6118, 50.4378,
63.3147

■ 48.3836, 53.7950,
63.7112

■ 53.8429, 57.5224,
64.1430

■ 60.0180, 61.6349,
64.6113

■ 66.9356, 66.1461,
65.1174

■ 74.6209, 71.0692,
65.6626

Harmonies

Analogous

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



29.3095, 40.3787, 46.1746



30.7573, 40.3787, 62.0499



34.2461, 40.3787, 74.8975

Triad

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



30.7573, 40.3787, 62.0499



48.0413, 40.3787, 57.4337



37.6250, 40.3787, 21.2790

Complementary

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



30.7573, 40.3787, 62.0499



29.2169, 20.3511, 8.6928

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.



42.8312, 40.3787, 22.9938



30.7573, 40.3787, 62.0499



49.1489, 40.3787, 41.8281

Square

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



30.7573, 40.3787, 62.0499



44.2608, 40.3787, 71.8405



47.1654, 40.3787, 29.7881



33.0424, 40.3787, 24.4334

Rectangle

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



30.7573, 40.3787, 62.0499



37.4158, 40.3787, 78.7518



47.1654, 40.3787, 29.7881



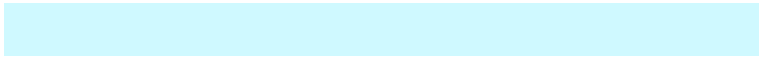
39.3580, 40.3787, 21.3118

Sweetspot

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



30.7586, 40.3802, 62.0509



77.4135, 87.9346, 107.5007



25.6328, 44.3639, 16.4569



16.0814, 18.4759, 22.9686



0.0000, 0.0000, 0.0000



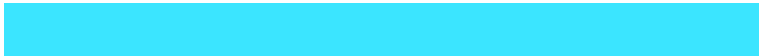
20.3446, 21.4041, 23.3091

Same Dimension

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



30.7586, 40.3802, 62.0509



47.8871, 64.2474, 104.4848



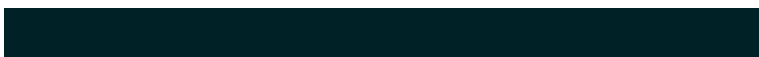
20.4245, 19.7121, 58.6062



11.4123, 12.4650, 14.3749



16.8194, 22.6627, 39.4441



0.9036, 1.2409, 2.0468

Inverse Universe

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



35.4977, 20.8256, 48.0494



56.9465, 30.0162, 77.0132



36.8786, 35.6744, 11.2467



11.6215, 11.3773, 13.8072



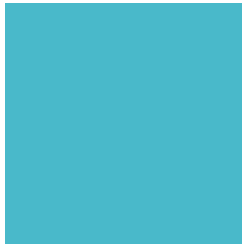
20.7005, 10.0908, 27.2055



1.0860, 0.5278, 1.4989

Previews

White Background



This preview shows how the XYZ color 30.7573, 40.3787, 62.0499 looks on a white background.

Color Contrast Check

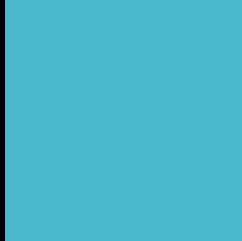
Large Text (above 18pt) WCAG AA × Fail

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 30.7573, 40.3787, 62.0499 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 30.7573, 40.3787, 62.0499

Background



This preview shows how black text looks on a background with the XYZ color 30.7573, 40.3787, 62.0499.



This preview shows how white text looks on a background with the XYZ color 30.7573, 40.3787,

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

30.7573, 40.3787, 62.0499

Protanopia

39.1325, 39.8738, 54.9241

Deuteranopia

40.7131, 39.9442, 63.9567



Tritanopia

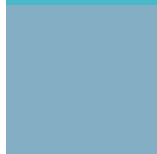
30.4468, 40.2458, 60.8071

Trichromacy



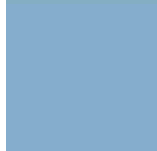
Original Color

30.7573, 40.3787, 62.0499



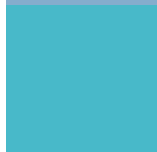
Protanomaly

34.5021, 39.1178, 57.3618



Deuteranomaly

35.6359, 39.2815, 63.4615



Tritanomaly

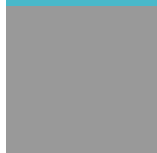
30.5641, 40.2927, 61.4247

Monochromacy



Original Color

30.7573, 40.3787, 62.0499



Achromatopsia

30.2779, 31.8547, 34.6897



Achromatomaly

29.1180, 34.1356, 43.5822

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.7573, 40.3787, 62.0499 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(73, 185, 202)` looks like.

```
.text, #text, p{  
    color:rgb(73, 185, 202)  
}
```

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(73, 185, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 185, 202) }
```

Border

The CSS property to change the border of an element to XYZ 30.7573, 40.3787, 62.0499 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(73, 185, 202) }
```


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

```
.border{ border-color:rgb(73, 185, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 185, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 185, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 185, 202);  
box-shadow:4px 4px 4px 4px rgb(73, 185,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 30.7573, 40.3787, 62.0499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 185, 202) }
```

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

```
.background{ background-color: rgb(73, 185,  
202) }
```

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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