

# Converting Colors

XYZ(30.1295, 34.5523, 72.7910)

Have a look what the booklet for  
XYZ(30.1295, 34.5523, 72.7910)  
contains.

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# Color

**XYZ(30.1303, 34.5541,  
72.7917)**

# Conversions

## Conversions Part 1

Format	Color
Hex	51A7DC
RGB	81, 167, 220
RGB Percent	32%, 65%, 86%
CMY	0.6823, 0.3451, 0.1373
CMYK	0.63, 0.24, 0.00, 0.14
HSL	203°, 67%, 59%
HSV	203°, 63%, 86%
XYZ	30.1303, 34.5541, 72.7917
YIQ	147.3280, -68.2690, -1.7490

# Conversions

## Conversions Part 2

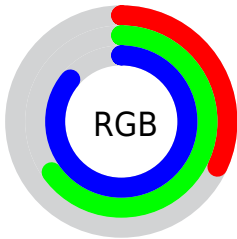
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	81, 134, 220
Decimal	5351388
CIE Lab	65.40, -9.94, -34.53
CIE LCh	65, 35.935, 253.946
Yxy	34.5541, 0.2192, 0.2513
Android (android.graphics.Color)	4283541468 (0xFF51A7DC)
YUV	147.3280, 35.8273, -58.1697
Hunter-Lab	58.7827, -11.3759, -32.2719

# Details

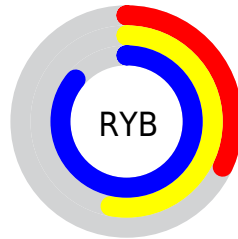
The XYZ color **30.1303, 34.5541, 72.7917** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **39.5268, 32.8617, 12.0456**, and the grayscale version is **27.7467, 29.1917, 31.7898**.

A 20% lighter version of the original color is **55.3266, 65.2133, 104.2792**, and **12.9223, 14.9781, 37.8073** is the 20% darker color. If you saturate the color by 10%, you get **27.0543, 30.7610, 72.2224**, and if you desaturate by 10%, it is **33.9189, 38.8638, 73.4245**.

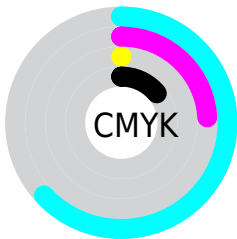
# Distribution



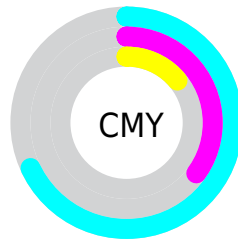
- Red (32%)
- Green (65%)
- Blue (86%)



- Red (32%)
- Yellow (53%)
- Blue (86%)



- Cyan (63%)
- Magenta (24%)
- Yellow (0%)
- Black (14%)



- Cyan (68%)
- Magenta (35%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 30.1303, 34.5541, 72.7917 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 30.1303, 34.5541, 72.7917 by changing the saturation by 10% instead.



■ 30.1303, 34.5541,  
72.7917

■ 30.1303, 34.5541,  
72.7917

294.4103,  
322.5958, 489.3440

■ 20.0861, 23.3196,  
53.3149

■ 59.2534, 66.7944,  
124.8996

■ 12.5663, 14.8297,  
37.6647

■ 79.0630, 88.5690,  
158.3678

■ 7.2055, 8.6999,  
25.4228

■ 102.8584,  
114.6258, 197.3369

■ 3.6384, 4.5460,  
16.1704

■ 131.0050,  
145.3491, 242.2253

■ 1.4997, 1.9834,  
9.4892

163.8681,  
181.1234, 293.4517

■ 0.3256, 0.5978,  
4.9605

201.8131,

■ 0.0000, 0.0000,

222.3330, 351.4346

2.1657

245.2054,  
269.3623, 416.5925

■ 0.0000, 0.0000,  
0.6545

■ 0.0000, 0.0000,  
0.0000

■ 30.1303, 34.5541,  
72.7917

■ 30.1303, 34.5541,  
72.7917

■ 27.0543, 30.7610,  
72.2224

■ 33.9189, 38.8638,  
73.4245

■ 24.6239, 27.4454,  
71.7105

■ 38.4717, 43.7174,  
74.1214

■ 22.7642, 24.5663,  
71.2528

■ 43.8390, 49.1444,  
74.8861

■ 21.7387, 22.8079,  
70.9674

■ 50.0657, 55.1703,  
75.7210

■ 57.1933, 61.8190,  
76.6287

■ 65.2603, 69.1129,  
77.6113

■ 74.3030, 77.0731,  
78.6712

■ 83.6130, 85.3366,  
79.7755

■ 86.0597, 90.2299,  
80.5911

# Harmonies

## Analogous

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



26.0996, 34.5541, 61.4551



30.1303, 34.5541, 72.7917



35.3353, 34.5541, 73.2197

# Triad

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



30.1303, 34.5541, 72.7917



43.6422, 34.5541, 31.0792



26.3255, 34.5541, 20.4157

# Complementary

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



30.1303, 34.5541, 72.7917



39.5268, 32.8617, 12.0456

# 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.



30.4701, 34.5541, 15.9677



30.1303, 34.5541, 72.7917



40.6572, 34.5541, 20.9199

# Square

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



30.1303, 34.5541, 72.7917



43.5262, 34.5541, 46.1950



35.7131, 34.5541, 16.1236



24.0681, 34.5541, 30.1839



# Rectangle

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



30.1303, 34.5541, 72.7917



38.8062, 34.5541, 67.0514



35.7131, 34.5541, 16.1236



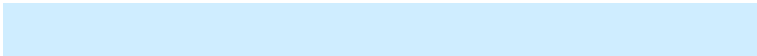
27.5237, 34.5541, 18.3806

# Sweetspot

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



30.1315, 34.5553, 72.7926



73.8037, 80.7149, 106.2974



33.1503, 54.6017, 30.6116



15.2015, 16.7161, 22.6753



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.



30.1315, 34.5553, 72.7926



36.5318, 41.3084, 100.6556



20.8255, 15.9433, 69.6905



13.0062, 13.9521, 16.6597



12.8688, 13.6070, 41.6866



0.9159, 1.0460, 2.7281



# Inverse Universe

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



39.4337, 23.8918, 39.0936



51.2706, 27.9593, 46.4664



51.9970, 57.8020, 16.2023



13.3930, 13.1863, 15.3307



19.9909, 9.9974, 14.8640



1.3366, 0.6643, 1.1815



# Previews

## White Background



This preview shows how the XYZ color 30.1303, 34.5541, 72.7917 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

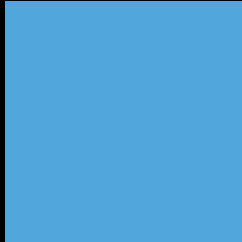
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 30.1303, 34.5541, 72.7917 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

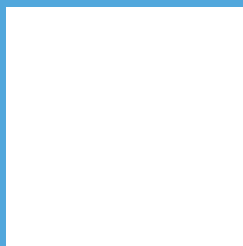
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 30.1303, 34.5541, 72.7917

## Background



This preview shows how black text looks on a background with the XYZ color 30.1303, 34.5541, 72.7917.



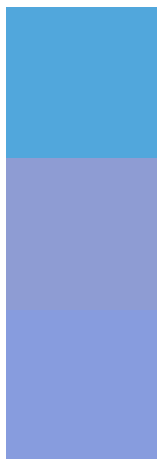
This preview shows how white text looks on a background with the XYZ color 30.1303, 34.5541,



# 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

30.1303, 34.5541, 72.7917

### Protanopia

34.8017, 34.2309, 66.4010

### Deuteranopia

35.0650, 34.2018, 73.8607



## Tritanopia

26.0276, 34.5650, 52.3136

# Trichromacy



## Original Color

30.1303, 34.5541, 72.7917

## Protanomaly

32.4541, 33.9897, 68.4685

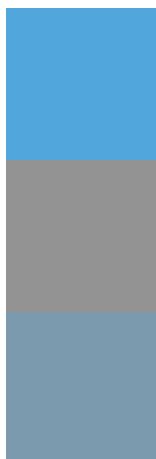
## Deuteranomaly

32.6922, 34.0069, 73.2475

## Tritanomaly

27.3975, 34.5514, 59.2579

# Monochromacy



## Original Color

30.1303, 34.5541, 72.7917

## Achromatopsia

27.7328, 29.1771, 31.7738

## Achromatomaly

27.3640, 30.3781, 44.4657

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 30.1303, 34.5541, 72.7917 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(81, 167, 220)` looks like.

```
.text, #text, p{  
    color:rgb(81, 167, 220)  
}
```

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(81, 167, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 167, 220) }
```

## Border

The CSS property to change the border of an element to XYZ 30.1303, 34.5541, 72.7917 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(81, 167, 220) }
```



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

```
.border{ border-color:rgb(81, 167, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 167, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 167, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 167, 220);  
box-shadow:4px 4px 4px 4px rgb(81, 167,  
220) }
```

# Background

The CSS property to change the background color of an element to XYZ 30.1303, 34.5541, 72.7917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 167, 220) }
```

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

```
.background{ background-color: rgb(81, 167,  
220) }
```

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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