

# Converting Colors

XYZ(27.5186, 31.2529, 75.7159)

Have a look what the booklet for  
XYZ(27.5186, 31.2529, 75.7159)  
contains.

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# Color

**XYZ(27.5776, 31.3079,  
75.8237)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	34A0E1
RGB	52, 160, 225
RGB Percent	20%, 63%, 88%
CMY	0.7960, 0.3725, 0.1176
CMYK	0.77, 0.29, 0.00, 0.12
HSL	203°, 74%, 54%
HSV	203°, 77%, 88%
XYZ	27.5776, 31.3079, 75.8237
YIQ	135.1180, -85.2330, -2.6810

# Conversions

## Conversions Part 2

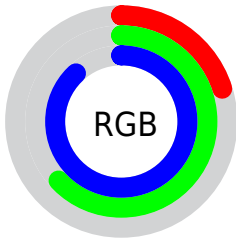
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	52, 118, 225
Decimal	3449057
CIE Lab	62.77, -8.50, -41.47
CIE LCh	63, 42.332, 258.416
Yxy	31.3079, 0.2047, 0.2324
Android (android.graphics.Color)	4281639137 (0xFF34A0E1)
YUV	135.1180, 44.3118, -72.8945
Hunter-Lab	55.9535, -9.9418, -41.1777

# Details

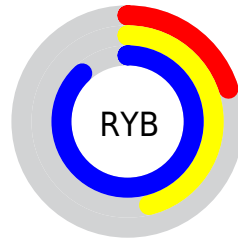
The XYZ color **27.5776, 31.3079, 75.8237** is a light color, and the websafe version is hex **3399CC**. The color can be described as light washed azure. A complement of this color would be **38.0346, 28.9815, 6.8398**, and the grayscale version is **22.9382, 24.1328, 26.2806**.

A 20% lighter version of the original color is **50.5188, 60.0318, 103.5324**, and **12.6301, 13.8019, 39.5345** is the 20% darker color. If you saturate the color by 10%, you get **25.2670, 28.0149, 75.3105**, and if you desaturate by 10%, it is **30.5415, 35.0866, 76.3975**.

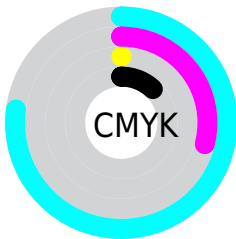
# Distribution



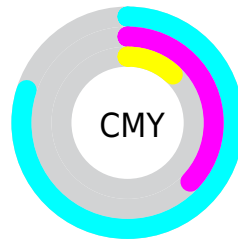
- Red (20%)
- Green (63%)
- Blue (88%)



- Red (20%)
- Yellow (46%)
- Blue (88%)



- Cyan (77%)
- Magenta (29%)
- Yellow (0%)
- Black (12%)



- Cyan (80%)
- Magenta (37%)
- Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 27.5776, 31.3079, 75.8237 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 27.5776, 31.3079, 75.8237 by changing the saturation by 10% instead.



■ 27.5776, 31.3079,  
75.8237

■ 27.5776, 31.3079,  
75.8237

282.5598,  
307.9543, 500.0747

■ 18.1463, 20.8334,  
55.7822

■ 55.2227, 61.7245,  
129.2355

■ 11.1554, 13.0023,  
39.6255

■ 74.1673, 82.4354,  
163.4428

■ 6.2395, 7.4301,  
26.9351

■ 97.0136, 107.3273,  
203.2091

■ 3.0333, 3.7325,  
17.2925

■ 124.1271,  
136.7844, 248.9530

■ 1.1714, 1.5251,  
10.2791

■ 155.8731,  
171.1913, 301.0929

■ 0.0836, 0.3063,  
5.4764

192.6170,

■ 0.0000, 0.0000,

210.9324, 360.0475

2.4658

234.7241,  
256.3919, 426.2353

■ 0.0000, 0.0000,  
0.8220

■ 0.0000, 0.0000,  
0.0000

■ 27.5776, 31.3079,  
75.8237

■ 27.5776, 31.3079,  
75.8237

■ 25.2670, 28.0149,  
75.3105

■ 30.5415, 35.0866,  
76.3975

■ 23.5150, 25.1544,  
74.8507

■ 34.2265, 39.3874,  
77.0334

■ 23.0358, 24.3265,  
74.7162

■ 38.6947, 44.2455,  
77.7356

■ 44.0001, 49.6915,  
78.5072

■ 50.1918, 55.7532,  
79.3509

■ 57.3146, 62.4563,  
80.2693

■ 65.4102, 69.8250,  
81.2649

■ 74.5178, 77.8816,  
82.3400

■ 84.6742, 86.6477,  
83.4967

# Harmonies

## Analogous

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



22.9641, 31.3079, 63.9241



27.5776, 31.3079, 75.8237



33.4139, 31.3079, 74.1607

# Triad

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



27.5776, 31.3079, 75.8237



41.6165, 31.3079, 24.9776



22.1840, 31.3079, 17.0067

# Complementary

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



27.5776, 31.3079, 75.8237



38.0346, 28.9815, 6.8398

# 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.



26.3776, 31.3079, 11.9070



27.5776, 31.3079, 75.8237



37.7731, 31.3079, 15.3723

# Square

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



27.5776, 31.3079, 75.8237



42.0473, 31.3079, 40.8992



32.0488, 31.3079, 11.4260



20.1309, 31.3079, 28.0801



# Rectangle

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



27.5776, 31.3079, 75.8237



37.2231, 31.3079, 65.6624



32.0488, 31.3079, 11.4260



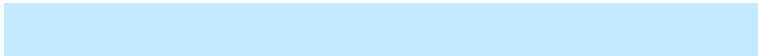
23.3630, 31.3079, 14.7157

# Sweetspot

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



27.5788, 31.3090, 75.8245



70.0344, 77.2593, 105.8291



31.4624, 55.8294, 25.4715



14.2841, 15.8644, 22.5592



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

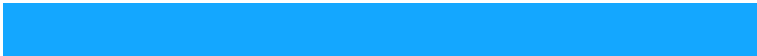


# Same Dimension

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



27.5788, 31.3090, 75.8245



32.1379, 34.9554, 99.6610



17.5291, 11.2096, 72.4746



13.6613, 14.6616, 17.4976



13.3899, 14.2494, 43.0930



1.0133, 1.1581, 3.0154



# Inverse Universe

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



38.6256, 21.0031, 35.2767



48.4584, 24.5590, 38.6728



52.7773, 58.4668, 11.7541



14.0652, 13.8437, 16.1137



20.6988, 10.3465, 15.6116



1.4777, 0.7344, 1.3086



# Previews

## White Background



This preview shows how the XYZ color 27.5776, 31.3079, 75.8237 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

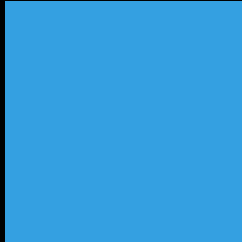
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 27.5776, 31.3079, 75.8237 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

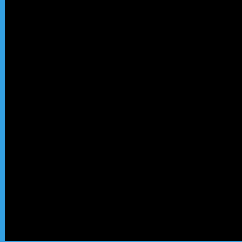
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

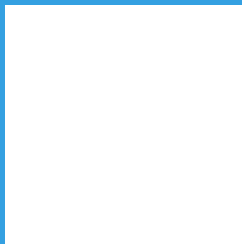
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 27.5776, 31.3079, 75.8237**

## **Background**



This preview shows how black text looks on a background with the XYZ color 27.5776, 31.3079, 75.8237.



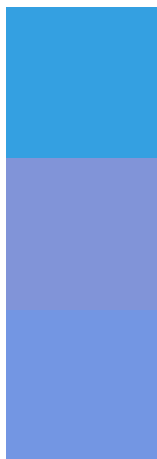
This preview shows how white text looks on a background with the XYZ color 27.5776, 31.3079,



# 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

27.5776, 31.3079, 75.8237

### Protanopia

32.0378, 30.8048, 69.2231

### Deuteranopia

31.8417, 31.0036, 76.9791



## Tritanopia

22.3431, 31.3415, 48.5880

# Trichromacy



## Original Color

27.5776, 31.3079, 75.8237

## Protanomaly

29.3812, 30.3376, 71.3250

## Deuteranomaly

29.6967, 30.8775, 76.3463

## Tritanomaly

23.8017, 31.0799, 57.5679

# Monochromacy



## Original Color

27.5776, 31.3079, 75.8237

## Achromatopsia

23.0288, 24.2281, 26.3844

## Achromatomaly

22.8668, 25.7769, 40.8160

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 27.5776, 31.3079, 75.8237 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(52, 160, 225)` looks like.

```
.text, #text, p{  
    color:rgb(52, 160, 225)  
}
```

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(52, 160, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 160, 225) }
```

## Border

The CSS property to change the border of an element to XYZ 27.5776, 31.3079, 75.8237 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(52, 160, 225) }
```



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

```
.border{ border-color:rgb(52, 160, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 160, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 160, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 160, 225);  
box-shadow:4px 4px 4px 4px rgb(52, 160,  
225) }
```

# Background

The CSS property to change the background color of an element to XYZ 27.5776, 31.3079, 75.8237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 160, 225) }
```

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

```
.background{ background-color: rgb(52, 160,  
225) }
```

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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