

Converting Colors

XYZ(27.7527, 35.1886, 62.4579)

Have a look what the booklet for
XYZ(27.7527, 35.1886, 62.4579)
contains.

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Color

**XYZ(27.7671, 35.2389,
62.4650)**

Conversions

Conversions Part 1

Format	Color
Hex	3DADCC
RGB	61, 173, 204
RGB Percent	24%, 68%, 80%
CMY	0.7608, 0.3216, 0.2000
CMYK	0.70, 0.15, 0.00, 0.20
HSL	193°, 58%, 52%
HSV	193°, 70%, 80%
XYZ	27.7671, 35.2389, 62.4650
YIQ	143.0460, -76.7030, -14.1030

Conversions

Conversions Part 2

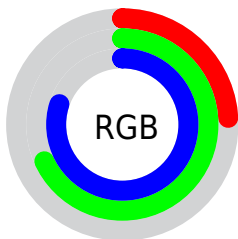
Format	Color
RYB	61, 124, 204
Decimal	4042188
CIELab	65.93, -21.40, -24.92
CIElCh	66, 32.844, 229.347
Yxy	35.2389, 0.2213, 0.2809
Android (android.graphics.Color)	4282232268 (0xFF3DADCC)
YUV	143.0460, 30.0503, -71.9543
Hunter-Lab	59.3624, -20.3897, -20.8352

Details

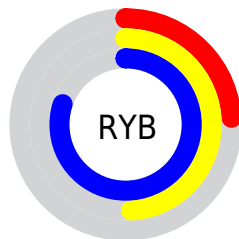
The XYZ color **27.7671, 35.2389, 62.4650** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle muted azure. A complement of this color would be **29.5724, 20.8300, 6.8780**, and the grayscale version is **26.0340, 27.3898, 29.8275**.

A 20% lighter version of the original color is **54.6735, 67.6942, 104.7924**, and **12.2215, 15.6350, 31.2279** is the 20% darker color. If you saturate the color by 10%, you get **25.9081, 33.0431, 62.1398**, and if you desaturate by 10%, it is **30.1339, 37.7396, 62.8236**.

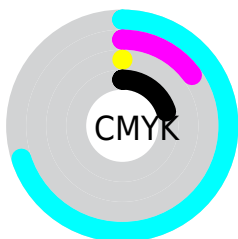
Distribution



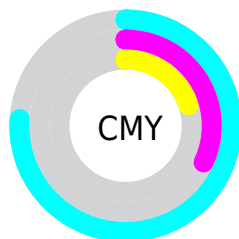
- Red (24%)
- Green (68%)
- Blue (80%)



- Red (24%)
- Yellow (49%)
- Blue (80%)



- Cyan (70%)
- Magenta (15%)
- Yellow (0%)
- Black (20%)



- Cyan (76%)
- Magenta (32%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.7671, 35.2389, 62.4650 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 27.7671, 35.2389, 62.4650 by changing the saturation by 10% instead.

■ 27.7671, 35.2389,
62.4650

■ 27.7671, 35.2389,
62.4650

283.4527,
325.6216, 451.6796

■ 18.2897, 23.8470,
44.9703

■ 55.5236, 67.8557,
109.9754

■ 11.2591, 15.2201,
31.0913

■ 74.5335, 89.8493,
140.8282

■ 6.3100, 8.9740,
20.4093

■ 97.4516, 116.1457,
176.9708

■ 3.0769, 4.7242,
12.5059

■ 124.6433,
147.1291, 218.8218

■ 1.1946, 2.0864,
6.9625

■ 156.4738,
183.1840, 266.7996

■ 0.1021, 0.6570,
3.3606

193.3087,

■ 0.0000, 0.0000,

224.6948, 321.3228

1.2816

235.5132,
272.0459, 382.8100

■ 0.0000, 0.0000,
0.0466

■ 0.0000, 0.0000,
0.0000

■ 27.7671, 35.2389,
62.4650

■ 27.7671, 35.2389,
62.4650

■ 25.9081, 33.0431,
62.1398

■ 30.1339, 37.7396,
62.8236

■ 24.4957, 31.1180,
61.8427

■ 33.0537, 40.5667,
63.2154

■ 23.4314, 29.4240,
61.5718

■ 36.5706, 43.7441,
63.6433

■ 40.7230, 47.2920,
64.1093

■ 45.5461, 51.2288,
64.6150

■ 51.0723, 55.5716,
65.1620

■ 57.3320, 60.3365,
65.7518

■ 64.3537, 65.5386,
66.3858

■ 72.1643, 71.1920,
67.0653

Harmonies

Analogous

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



25.4276, 35.2389, 47.9358



27.7671, 35.2389, 62.4650



31.7956, 35.2389, 71.1377

Triad

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



27.7671, 35.2389, 62.4650



43.5420, 35.2389, 43.5321



30.4921, 35.2389, 18.2523

Complementary

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



27.7671, 35.2389, 62.4650



29.5724, 20.8300, 6.8780

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.



35.2508, 35.2389, 17.6199



27.7671, 35.2389, 62.4650



43.1068, 35.2389, 30.1684

Square

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



27.7671, 35.2389, 62.4650



41.0950, 35.2389, 58.5784



39.9576, 35.2389, 21.4361



26.8924, 35.2389, 23.4416

Rectangle

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



27.7671, 35.2389, 62.4650



35.0343, 35.2389, 71.2976



39.9576, 35.2389, 21.4361



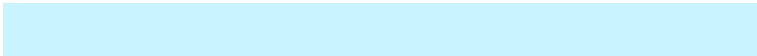
31.9986, 35.2389, 17.5569

Sweetspot

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



27.7683, 35.2402, 62.4659



74.4264, 84.0356, 106.9055



25.4494, 44.9511, 17.4581



15.4356, 17.5872, 22.8311



0.0000, 0.0000, 0.0000



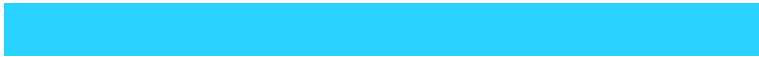
20.3446, 21.4041, 23.3091

Same Dimension

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



27.7683, 35.2402, 62.4659



41.6504, 53.0750, 102.6570



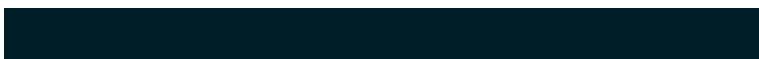
17.5288, 14.7613, 59.0527



11.3289, 12.2982, 14.3471



14.8185, 18.6609, 38.7772



0.8171, 1.0680, 2.0180

Inverse Universe

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



34.1144, 19.1931, 41.4431



53.4809, 27.4140, 62.5123



38.9284, 39.5420, 9.9967



11.5794, 11.3605, 13.5856



19.6906, 9.6868, 21.8871



1.0424, 0.5104, 1.2691

Previews

White Background



This preview shows how the XYZ color 27.7671, 35.2389, 62.4650 looks on a white background.

Color Contrast Check

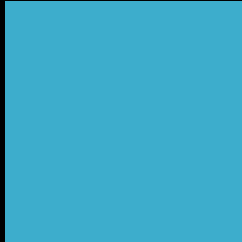
Large Text (above 18pt) WCAG AA × Fail

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 27.7671, 35.2389, 62.4650 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

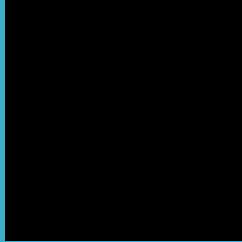
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 27.7671, 35.2389, 62.4650

Background



This preview shows how black text looks on a background with the XYZ color 27.7671, 35.2389, 62.4650.

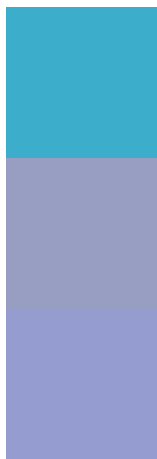


This preview shows how white text looks on a background with the XYZ color 27.7671, 35.2389,

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

27.7671, 35.2389, 62.4650

Protanopia

34.6150, 34.8833, 55.3608

Deuteranopia

35.4864, 34.6269, 64.4878



Tritanopia

26.0404, 35.1077, 54.1192

Trichromacy



Original Color

27.7671, 35.2389, 62.4650

Protanomaly

30.6465, 34.0772, 57.7856

Deuteranomaly

31.3853, 34.0587, 63.9513

Tritanomaly

26.5619, 35.0245, 56.9902

Monochromacy



Original Color

27.7671, 35.2389, 62.4650

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

25.1572, 29.3385, 39.9343

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7671, 35.2389, 62.4650 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(61, 173, 204)` looks like.

```
.text, #text, p{  
    color:rgb(61, 173, 204)  
}
```

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(61, 173, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 173, 204) }
```

Border

The CSS property to change the border of an element to XYZ 27.7671, 35.2389, 62.4650 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(61, 173, 204) }
```


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

```
.border{ border-color:rgb(61, 173, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 173, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 173, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 173, 204);  
box-shadow:4px 4px 4px 4px rgb(61, 173,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 27.7671, 35.2389, 62.4650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 173, 204) }
```

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

```
.background{ background-color: rgb(61, 173,  
204) }
```

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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