

Converting Colors

XYZ(27.4583, 35.2217, 63.6900)

Have a look what the booklet for
XYZ(27.4583, 35.2217, 63.6900)
contains.

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Color

**XYZ(27.5433, 35.3813,
63.7701)**

Conversions

Conversions Part 1

Format	Color
Hex	31AECE
RGB	49, 174, 206
RGB Percent	19%, 68%, 81%
CMY	0.8078, 0.3176, 0.1922
CMYK	0.76, 0.16, 0.00, 0.19
HSL	192°, 62%, 50%
HSV	192°, 76%, 81%
XYZ	27.5433, 35.3813, 63.7701
YIQ	140.2730, -84.7720, -16.5480

Conversions

Conversions Part 2

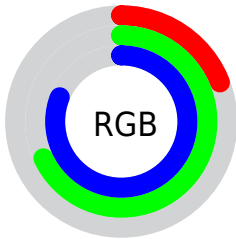
Format	Color
R _Y B	49, 119, 206
Decimal	3256014
CIE Lab	66.04, -22.77, -25.88
CIE LCh	66, 34.466, 228.660
Yxy	35.3813, 0.2174, 0.2793
Android (android.graphics.Color)	4281446094 (0xFF31AECE)
YUV	140.2730, 32.4034, -80.0464
Hunter-Lab	59.4822, -21.4392, -21.9265

Details

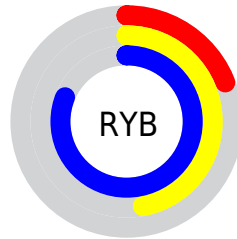
The XYZ color **27.5433, 35.3813, 63.7701** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle muted azure. A complement of this color would be **28.9519, 19.2305, 5.0931**, and the grayscale version is **24.9368, 26.2355, 28.5704**.

A 20% lighter version of the original color is **53.9546, 67.7356, 104.8383**, and **12.5049, 15.9417, 32.1238** is the 20% darker color. If you saturate the color by 10%, you get **25.9689, 33.3848, 63.4684**, and if you desaturate by 10%, it is **29.5992, 37.6650, 64.1032**.

Distribution



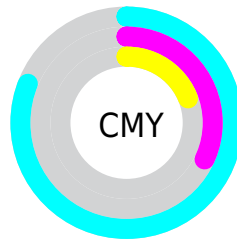
- Red (19%)
- Green (68%)
- Blue (81%)



- Red (19%)
- Yellow (47%)
- Blue (81%)



- Cyan (76%)
- Magenta (16%)
- Yellow (0%)
- Black (19%)



- Cyan (81%)
- Magenta (32%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.5433, 35.3813, 63.7701 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 27.5433, 35.3813, 63.7701 by changing the saturation by 10% instead.

■ 27.5433, 35.3813,
63.7701

■ 27.5433, 35.3813,
63.7701

282.3980,
326.2482, 456.5436

■ 18.1204, 23.9567,
46.0195

■ 55.1682, 68.0760,
111.8761

■ 11.1367, 15.3015,
31.9124

■ 74.1009, 90.1150,
143.0685

■ 6.2268, 9.0313,
21.0304

■ 96.9343, 116.4609,
179.5786

■ 3.0254, 4.7616,
12.9547

■ 124.0336,
147.4981, 221.8250

■ 1.1672, 2.1081,
7.2670

■ 155.7643,
183.6111, 270.2261

■ 0.0803, 0.6692,
3.5487

192.4917,

■ 0.0000, 0.0000,

225.1841, 325.2006

1.3812

234.5811,
272.6017, 387.1669

■ 0.0000, 0.0000,
0.1270

■ 0.0000, 0.0000,
0.0000

■ 27.5433, 35.3813,
63.7701

■ 27.5433, 35.3813,
63.7701

■ 25.9689, 33.3848,
63.4684

■ 29.5992, 37.6650,
64.1032

■ 24.8029, 31.6355,
63.1922

■ 32.1880, 40.2607,
64.4678

■ 24.4183, 31.0115,
63.0920

■ 35.3582, 43.1945,
64.8670

■ 39.1518, 46.4882,
65.3028

■ 43.6066, 50.1618,
65.7771

■ 48.7576, 54.2336,
66.2915

■ 54.6369, 58.7204,
66.8477

■ 61.2750, 63.6383,
67.4471

■ 68.7003, 69.0022,
68.0911

Harmonies

Analogous

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



25.1469, 35.3813, 48.2545



27.5433, 35.3813, 63.7701



31.7323, 35.3813, 73.2554

Triad

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



27.5433, 35.3813, 63.7701



44.2201, 35.3813, 44.3309



30.5800, 35.3813, 17.5296

Complementary

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



27.5433, 35.3813, 63.7701



28.9519, 19.2305, 5.0931

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.



35.5996, 35.3813, 16.9849



27.5433, 35.3813, 63.7701



43.8313, 35.3813, 30.1987

Square

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



27.5433, 35.3813, 63.7701



41.5645, 35.3813, 60.2787



40.5506, 35.3813, 21.0137



26.7736, 35.3813, 22.7568

Rectangle

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



27.5433, 35.3813, 63.7701



35.1312, 35.3813, 73.6070



40.5506, 35.3813, 21.0137



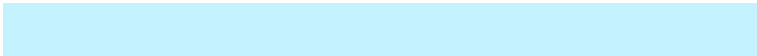
32.1700, 35.3813, 16.8528

Sweetspot

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



27.5445, 35.3826, 63.7710



72.9703, 83.1311, 106.8077



24.8020, 45.3817, 15.1216



15.0005, 17.2971, 22.7980



0.0000, 0.0000, 0.0000



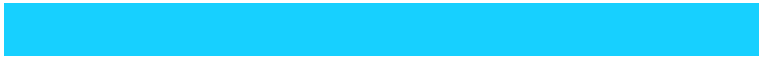
20.3446, 21.4041, 23.3091

Same Dimension

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



27.5445, 35.3826, 63.7710



40.8853, 52.3678, 102.5609



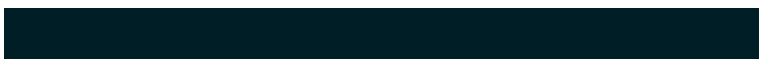
16.6009, 13.4954, 60.1231



11.3415, 12.3235, 14.3513



15.1066, 19.2371, 38.8732



0.8297, 1.0932, 2.0222

Inverse Universe

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



34.1930, 18.3758, 41.7903



52.8938, 26.4102, 61.7918



38.3903, 38.1074, 8.2393



11.5858, 11.3630, 13.6192



19.8360, 9.7450, 22.6528



1.0488, 0.5129, 1.3026

Previews

White Background



This preview shows how the XYZ color 27.5433, 35.3813, 63.7701 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 27.5433, 35.3813, 63.7701 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 27.5433, 35.3813, 63.7701

Background



This preview shows how black text looks on a background with the XYZ color 27.5433, 35.3813, 63.7701.

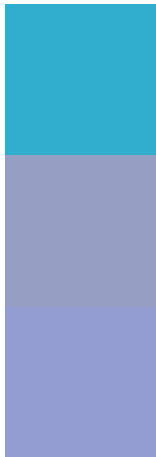


This preview shows how white text looks on a background with the XYZ color 27.5433, 35.3813,

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

27.5433, 35.3813, 63.7701

Protanopia

34.8397, 34.9732, 56.5440

Deuteranopia

35.7225, 34.9701, 65.8399



Tritanopia

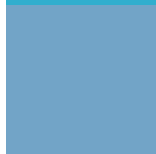
25.8192, 35.5632, 54.7938

Trichromacy



Original Color

27.5433, 35.3813, 63.7701



Protanomaly

30.5237, 34.2518, 59.0353



Deuteranomaly

31.1614, 34.1773, 65.2761



Tritanomaly

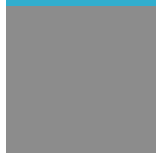
26.3642, 35.4873, 57.6847

Monochromacy



Original Color

27.5433, 35.3813, 63.7701



Achromatopsia

24.9269, 26.2251, 28.5591



Achromatomaly

23.9925, 28.2626, 39.3126

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.5433, 35.3813, 63.7701 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(49, 174, 206)` looks like.

```
.text, #text, p{  
  color:rgb(49, 174, 206)  
}
```

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(49, 174, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 174, 206) }
```

Border

The CSS property to change the border of an element to XYZ 27.5433, 35.3813, 63.7701 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(49, 174, 206) }
```


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

```
.border{ border-color:rgb(49, 174, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 174, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 174, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 174, 206);  
box-shadow:4px 4px 4px 4px rgb(49, 174,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 27.5433, 35.3813, 63.7701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 174, 206) }
```

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

```
.background{ background-color: rgb(49, 174,  
206) }
```

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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