

Converting Colors

XYZ(27.6308, 35.2530, 64.0924)

Have a look what the booklet for
XYZ(27.6308, 35.2530, 64.0924)
contains.

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Color

**XYZ(27.6222, 35.1222,
64.3549)**

Conversions

Conversions Part 1

Format	Color
Hex	34ADCF
RGB	52, 173, 207
RGB Percent	20%, 68%, 81%
CMY	0.7960, 0.3216, 0.1882
CMYK	0.75, 0.16, 0.00, 0.19
HSL	193°, 62%, 51%
HSV	193°, 75%, 81%
XYZ	27.6222, 35.1222, 64.3549
YIQ	140.6970, -83.0300, -15.0780

Conversions

Conversions Part 2

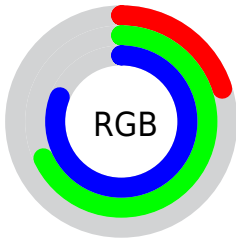
Format	Color
RYB	52, 120, 207
Decimal	3452367
CIELab	65.84, -21.58, -26.73
CIELCh	66, 34.360, 231.082
Yxy	35.1222, 0.2173, 0.2763
Android (android.graphics.Color)	4281642447 (0xFF34ADCF)
YUV	140.6970, 32.6874, -77.7873
Hunter-Lab	59.2640, -20.5154, -22.8984

Details

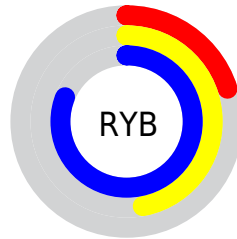
The XYZ color **27.6222, 35.1222, 64.3549** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle muted azure. A complement of this color would be **29.6810, 20.1706, 5.5790**, and the grayscale version is **25.1000, 26.4072, 28.7574**.

A 20% lighter version of the original color is **53.8150, 67.2517, 104.7523**, and **12.4662, 15.7328, 32.5167** is the 20% darker color. If you saturate the color by 10%, you get **25.9251, 32.9772, 64.0310**, and if you desaturate by 10%, it is **29.8180, 37.5695, 64.7122**.

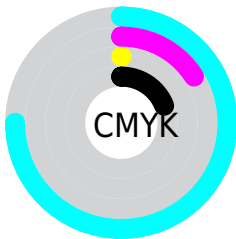
Distribution



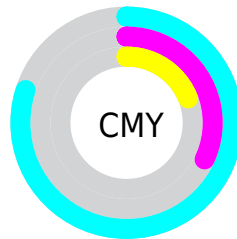
- Red (20%)
- Green (68%)
- Blue (81%)



- Red (20%)
- Yellow (47%)
- Blue (81%)



- Cyan (75%)
- Magenta (16%)
- Yellow (0%)
- Black (19%)



- Cyan (80%)
- Magenta (32%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.6222, 35.1222, 64.3549 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 27.6222, 35.1222, 64.3549 by changing the saturation by 10% instead.

■ 27.6222, 35.1222,
64.3549

■ 27.6222, 35.1222,
64.3549

282.7701,
325.1074, 458.7127

■ 18.1801, 23.7570,
46.4902

■ 55.2936, 67.6750,
112.7263

■ 11.1798, 15.1535,
32.2813

■ 74.2535, 89.6315,
144.0700

■ 6.2561, 8.9272,
21.3099

■ 97.1168, 115.8871,
180.7438

■ 3.0436, 4.6937,
13.1573

■ 124.2487,
146.8264, 223.1662

■ 1.1768, 2.0687,
7.4049

■ 156.0146,
182.8337, 271.7557

■ 0.0880, 0.6469,
3.6343

192.7799,

■ 0.0000, 0.0000,

224.2933, 326.9310

1.4270

234.9100,
271.5898, 389.1105

■ 0.0000, 0.0000,
0.1626

■ 0.0000, 0.0000,
0.0000

■ 27.6222, 35.1222,
64.3549

■ 27.6222, 35.1222,
64.3549

■ 25.9251, 32.9772,
64.0310

■ 29.8180, 37.5695,
64.7122

■ 24.6568, 31.0962,
63.7348

■ 32.5637, 40.3440,
65.1030

■ 24.1114, 30.2027,
63.5911

■ 35.9073, 43.4715,
65.5305

■ 39.8908, 46.9741,
65.9966

■ 44.5522, 50.8717,
66.5032

■ 49.9264, 55.1829,
67.0521

■ 56.0459, 59.9246,
67.6448

■ 62.9411, 65.1130,
68.2829

■ 70.6407, 70.7632,
68.9677

Harmonies

Analogous

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



25.0833, 35.1222, 49.1964



27.6222, 35.1222, 64.3549



31.8932, 35.1222, 73.0108

Triad

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



27.6222, 35.1222, 64.3549



43.9759, 35.1222, 42.7382



29.9954, 35.1222, 17.6501

Complementary

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



27.6222, 35.1222, 64.3549



29.6810, 20.1706, 5.5790

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.



34.9176, 35.1222, 16.7508



27.6222, 35.1222, 64.3549



43.3361, 35.1222, 29.0480

Square

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



27.6222, 35.1222, 64.3549



41.5615, 35.1222, 58.6126



39.8929, 35.1222, 20.3648



26.3539, 35.1222, 23.2404

Rectangle

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



27.6222, 35.1222, 64.3549



35.2928, 35.1222, 72.7292



39.8929, 35.1222, 20.3648



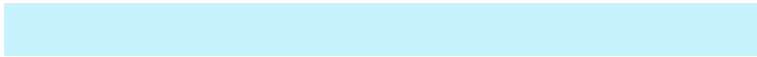
31.5426, 35.1222, 16.8567

Sweetspot

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



27.6234, 35.1235, 64.3558



73.5357, 83.2666, 106.8041



25.3931, 46.0218, 16.2629



15.2595, 17.4315, 22.8103



0.0000, 0.0000, 0.0000



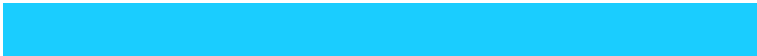
20.3446, 21.4041, 23.3091

Same Dimension

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



27.6234, 35.1235, 64.3558



40.2127, 50.9318, 102.3191



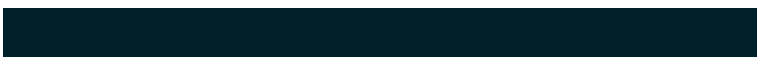
16.8553, 13.5874, 60.7664



11.9292, 12.9487, 15.1143



15.2635, 19.1737, 40.0889



0.9092, 1.1837, 2.2601

Inverse Universe

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



34.5039, 18.7397, 41.3350



52.5765, 26.3681, 59.8592



39.4652, 39.7389, 8.8404



12.1952, 11.9628, 14.3035



20.3351, 10.0069, 22.4684



1.1652, 0.5708, 1.4046

Previews

White Background



This preview shows how the XYZ color 27.6222, 35.1222, 64.3549 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 27.6222, 35.1222, 64.3549 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

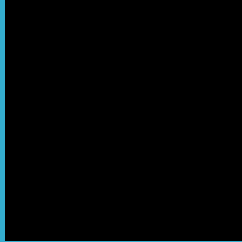
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 27.6222, 35.1222, 64.3549

Background



This preview shows how black text looks on a background with the XYZ color 27.6222, 35.1222, 64.3549.



This preview shows how white text looks on a background with the XYZ color 27.6222, 35.1222,

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

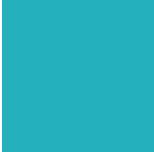
27.6222, 35.1222, 64.3549

Protanopia

34.5985, 34.5835, 57.0763

Deuteranopia

35.5004, 34.5911, 66.4337



Tritanopia

25.5825, 35.1617, 54.1537

Trichromacy



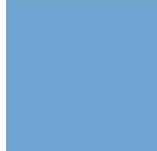
Original Color

27.6222, 35.1222, 64.3549



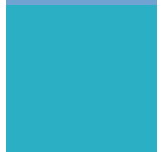
Protanomaly

30.4619, 33.9419, 59.5895



Deuteranomaly

31.2353, 33.9385, 65.8773



Tritanomaly

26.2486, 35.1377, 57.6234

Monochromacy



Original Color

27.6222, 35.1222, 64.3549



Achromatopsia

25.3171, 26.6356, 29.0061



Achromatomaly

24.4894, 28.7503, 39.8559

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.6222, 35.1222, 64.3549 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, 173, 207)` looks like.

```
.text, #text, p{  
    color:rgb(52, 173, 207)  
}
```

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, 173, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 173, 207) }
```

Border

The CSS property to change the border of an element to XYZ 27.6222, 35.1222, 64.3549 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, 173, 207) }
```


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

```
.border{ border-color:rgb(52, 173, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 173, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 173, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 173, 207);  
box-shadow:4px 4px 4px 4px rgb(52, 173,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 27.6222, 35.1222, 64.3549 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 173, 207) }
```

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

```
.background{ background-color: rgb(52, 173,  
207) }
```

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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