

Converting Colors

XYZ(27.4029, 35.5254, 65.7360)

Have a look what the booklet for
XYZ(27.4029, 35.5254, 65.7360)
contains.

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Color

**XYZ(27.4343, 35.5705,
65.7415)**

Conversions

Conversions Part 1

Format	Color
Hex	20AFD1
RGB	32, 175, 209
RGB Percent	13%, 69%, 82%
CMY	0.8744, 0.3137, 0.1804
CMYK	0.85, 0.16, 0.00, 0.18
HSL	192°, 73%, 47%
HSV	192°, 85%, 82%
XYZ	27.4343, 35.5705, 65.7415
YIQ	136.1190, -96.1420, -19.7420

Conversions

Conversions Part 2

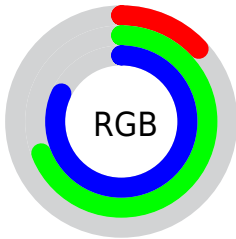
Format	Color
R _Y B	32, 111, 209
Decimal	2142161
CIE Lab	66.19, -23.83, -27.33
CIE LCh	66, 36.264, 228.914
Yxy	35.5705, 0.2131, 0.2763
Android (android.graphics.Color)	4280332241 (0xFF20AFD1)
YUV	136.1190, 35.9303, -91.3124
Hunter-Lab	59.6410, -22.2635, -23.6059

Details

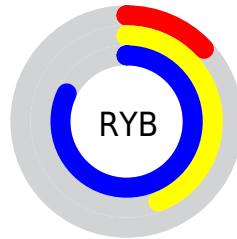
The XYZ color **27.4343, 35.5705, 65.7415** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **28.5051, 17.5585, 3.2547**, and the grayscale version is **23.3444, 24.5601, 26.7460**.

A 20% lighter version of the original color is **53.1815, 67.7513, 104.8821**, and **12.7923, 16.2522, 33.0346** is the 20% darker color. If you saturate the color by 10%, you get **26.2089, 33.7965, 65.4644**, and if you desaturate by 10%, it is **29.0964, 37.6054, 66.0474**.

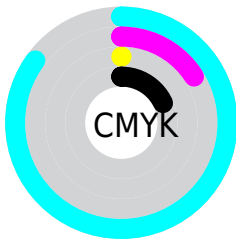
Distribution



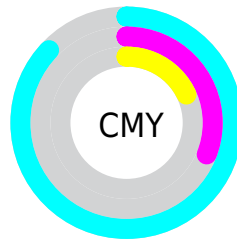
- Red (13%)
- Green (69%)
- Blue (82%)



- Red (13%)
- Yellow (44%)
- Blue (82%)



- Cyan (85%)
- Magenta (16%)
- Yellow (0%)
- Black (18%)



- Cyan (87%)
- Magenta (31%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.4343, 35.5705, 65.7415 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 27.4343, 35.5705, 65.7415 by changing the saturation by 10% instead.

■ 27.4343, 35.5705,
65.7415

■ 27.4343, 35.5705,
65.7415

281.8832,
327.0794, 463.8308

■ 18.0379, 24.1027,
47.6074

■ 54.9950, 68.3686,
114.7387

■ 11.0771, 15.4098,
33.1583

■ 73.8900, 90.4677,
146.4389

■ 6.1864, 9.1075,
21.9757

■ 96.6820, 116.8793,
183.4982

■ 3.0005, 4.8114,
13.6409

■ 123.7362,
147.9879, 226.3353

■ 1.1540, 2.1370,
7.7354

■ 155.4181,
184.1778, 275.3685

■ 0.0696, 0.6853,
3.8408

192.0930,

■ 0.0000, 0.0000,

225.8334, 331.0164

1.5384

234.1262,
273.3391, 393.6977

■ 0.0000, 0.0000,
0.2463

■ 0.0000, 0.0000,
0.0000

■ 27.4343, 35.5705,
65.7415

■ 27.4343, 35.5705,
65.7415

■ 26.2089, 33.7965,
65.4644

■ 29.0964, 37.6054,
66.0474

■ 25.6690, 32.9241,
65.3244

■ 31.2592, 39.9326,
66.3826

■ 33.9795, 42.5822,
66.7506

■ 37.3053, 45.5794,
67.1538

■ 41.2793, 48.9463,
67.5943

■ 45.9403, 52.7034,
68.0738

■ 51.3239, 56.8691,
68.5941

■ 57.4632, 61.4609,
69.1568

■ 64.3891, 66.4949,
69.7635

Harmonies

Analogous

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



24.9075, 35.5705, 49.1897



27.4343, 35.5705, 65.7415



31.8513, 35.5705, 75.8499

Triad

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



27.4343, 35.5705, 65.7415



45.0548, 35.5705, 44.7337



30.5538, 35.5705, 16.8620

Complementary

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



27.4343, 35.5705, 65.7415



28.5051, 17.5585, 3.2547

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.



35.8446, 35.5705, 16.2657



27.4343, 35.5705, 65.7415



44.6120, 35.5705, 29.8697

Square

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



27.4343, 35.5705, 65.7415



42.2531, 35.5705, 61.7417



41.1011, 35.5705, 20.3641



26.5717, 35.5705, 22.2915

Rectangle

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



27.4343, 35.5705, 65.7415



35.4430, 35.5705, 76.1569



41.1011, 35.5705, 20.3641



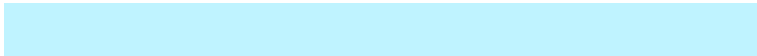
32.2254, 35.5705, 16.1561

Sweetspot

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



27.4355, 35.5718, 65.7424



71.5756, 82.2825, 106.7174



24.3358, 46.2844, 12.5716



14.7421, 17.1511, 22.7835



0.0000, 0.0000, 0.0000



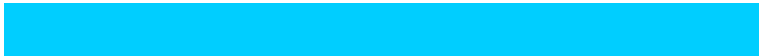
20.3446, 21.4041, 23.3091

Same Dimension

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



27.4355, 35.5718, 65.7424



40.1245, 51.3691, 102.4082



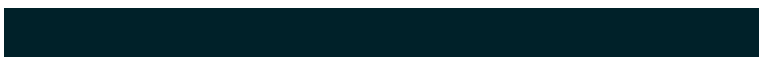
15.6001, 11.9009, 61.7972



11.9573, 13.0049, 15.1236



15.8956, 20.4379, 40.2996



0.9396, 1.2443, 2.2702

Inverse Universe

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



34.5500, 17.6848, 42.1512



52.3822, 25.7169, 60.6041



37.9400, 36.4283, 6.3997



12.2094, 11.9685, 14.3783



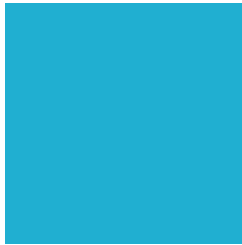
20.6541, 10.1345, 24.1485



1.1805, 0.5769, 1.4852

Previews

White Background



This preview shows how the XYZ color 27.4343, 35.5705, 65.7415 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 27.4343, 35.5705, 65.7415 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 27.4343, 35.5705, 65.7415

Background



This preview shows how black text looks on a background with the XYZ color 27.4343, 35.5705, 65.7415.

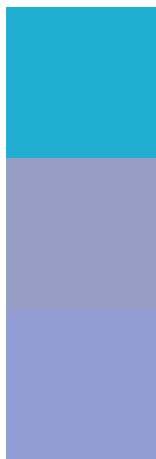


This preview shows how white text looks on a background with the XYZ color 27.4343, 35.5705,

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

27.4343, 35.5705, 65.7415

Protanopia

35.0674, 35.0642, 57.7431

Deuteranopia

35.9213, 35.0290, 67.8188



Tritanopia

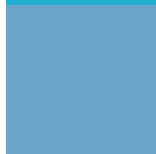
25.4348, 35.6466, 55.4091

Trichromacy



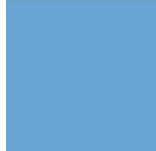
Original Color

27.4343, 35.5705, 65.7415



Protanomaly

30.0024, 33.9561, 60.2312



Deuteranomaly

30.9848, 34.3076, 67.2763



Tritanomaly

26.0668, 35.5997, 58.9236

Monochromacy



Original Color

27.4343, 35.5705, 65.7415



Achromatopsia

23.4014, 24.6201, 26.8113



Achromatomaly

22.5542, 27.0537, 38.6835

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.4343, 35.5705, 65.7415 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(32, 175, 209)` looks like.

```
.text, #text, p{  
    color:rgb(32, 175, 209)  
}
```

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(32, 175, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 175, 209) }
```

Border

The CSS property to change the border of an element to XYZ 27.4343, 35.5705, 65.7415 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(32, 175, 209) }
```


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

```
.border{ border-color:rgb(32, 175, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 175, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 175, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 175, 209);  
box-shadow:4px 4px 4px 4px rgb(32, 175,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 27.4343, 35.5705, 65.7415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 175, 209) }
```

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

```
.background{ background-color: rgb(32, 175,  
209) }
```

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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