

Converting Colors

XYZ(27.5320, 35.7601, 66.1562)

Have a look what the booklet for
XYZ(27.5320, 35.7601, 66.1562)
contains.

XYZ(27.6936, 35.9798, 66.4580)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(27.6936, 35.9798,
66.4580)**

Conversions

Conversions Part 1

Format	Color
Hex	1EB0D2
RGB	30, 176, 210
RGB Percent	12%, 69%, 82%
CMY	0.8823, 0.3098, 0.1765
CMYK	0.86, 0.16, 0.00, 0.18
HSL	191°, 75%, 47%
HSV	191°, 86%, 82%
XYZ	27.6936, 35.9798, 66.4580
YIQ	136.2220, -97.9300, -20.3780

Conversions

Conversions Part 2

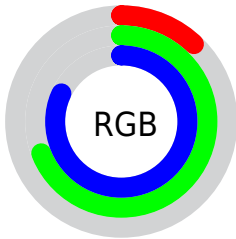
Format	Color
RYB	30, 111, 210
Decimal	2011346
CIELab	66.50, -24.15, -27.40
CIELCh	67, 36.525, 228.613
Yxy	35.9798, 0.2128, 0.2765
Android (android.graphics.Color)	4280201426 (0xFF1EB0D2)
YUV	136.2220, 36.3726, -93.1567
Hunter-Lab	59.9832, -22.5590, -23.7018

Details

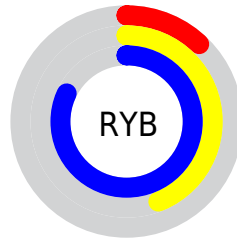
The XYZ color **27.6936, 35.9798, 66.4580** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **28.6478, 17.4647, 3.0908**, and the grayscale version is **23.3819, 24.5995, 26.7889**.

A 20% lighter version of the original color is **53.4622, 68.3127, 104.9757**, and **12.9994, 16.5325, 33.5163** is the 20% darker color. If you saturate the color by 10%, you get **26.5051, 34.2299, 66.1836**, and if you desaturate by 10%, it is **29.3143, 37.9876, 66.7608**.

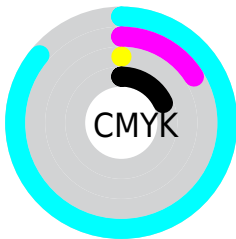
Distribution



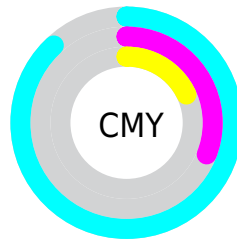
- Red (12%)
- Green (69%)
- Blue (82%)



- Red (12%)
- Yellow (44%)
- Blue (82%)



- Cyan (86%)
- Magenta (16%)
- Yellow (0%)
- Black (18%)



- Cyan (88%)
- Magenta (31%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.6936, 35.9798, 66.4580 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 27.6936, 35.9798, 66.4580 by changing the saturation by 10% instead.

■ 27.6936, 35.9798,
66.4580

■ 27.6936, 35.9798,
66.4580

283.1066,
328.8722, 466.4619

■ 18.2341, 24.4186,
48.1855

■ 55.4070, 69.0009,
115.7767

■ 11.2189, 15.6444,
33.6127

■ 74.3915, 91.2296,
147.6599

■ 6.2826, 9.2729,
22.3213

■ 97.2818, 117.7828,
184.9172

■ 3.0600, 4.9196,
13.8926

■ 124.4432,
149.0451, 227.9669

■ 1.1856, 2.2002,
7.9081

■ 156.2410,
185.4008, 277.2277

■ 0.0949, 0.7201,
3.9493

193.0406,

■ 0.0000, 0.0000,

227.2343, 333.1181

1.5976

235.2074,
274.9300, 396.0567

■ 0.0000, 0.0000,
0.2891

■ 0.0000, 0.0000,
0.0000

■ 27.6936, 35.9798,
66.4580

■ 27.6936, 35.9798,
66.4580

■ 26.5051, 34.2299,
66.1836

■ 29.3143, 37.9876,
66.7608

■ 26.0699, 33.5270,
66.0708

■ 31.4343, 40.2862,
67.0928

■ 34.1119, 42.9066,
67.4574

■ 37.3963, 45.8743,
67.8572

■ 41.3313, 49.2123,
68.2941

■ 45.9564, 52.9412,
68.7700

■ 51.3079, 57.0799,
69.2868

■ 57.4195, 61.6461,
69.8461

■ 64.3228, 66.6563,
70.4493

Harmonies

Analogous

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



25.1523, 35.9798, 49.6184



27.6936, 35.9798, 66.4580



32.1592, 35.9798, 76.8301

Triad

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



27.6936, 35.9798, 66.4580



45.6022, 35.9798, 45.4412



30.9437, 35.9798, 16.9718

Complementary

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



27.6936, 35.9798, 66.4580



28.6478, 17.4647, 3.0908

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.



36.3206, 35.9798, 16.4145



27.6936, 35.9798, 66.4580



45.1871, 35.9798, 30.3121

Square

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



27.6936, 35.9798, 66.4580



42.7280, 35.9798, 62.7059



41.6479, 35.9798, 20.6167



26.8858, 35.9798, 22.4197

Rectangle

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



27.6936, 35.9798, 66.4580



35.8001, 35.9798, 77.2283



41.6479, 35.9798, 20.6167



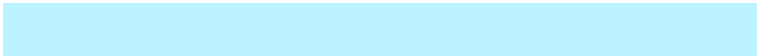
32.6439, 35.9798, 16.2728

Sweetspot

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



27.6948, 35.9811, 66.4589



70.8558, 81.7883, 106.6600



24.4806, 46.7292, 12.4345



14.6061, 17.0599, 22.7730



0.0000, 0.0000, 0.0000



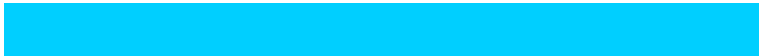
20.3446, 21.4041, 23.3091

Same Dimension

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



27.6948, 35.9811, 66.4589



40.3216, 51.7631, 102.4739



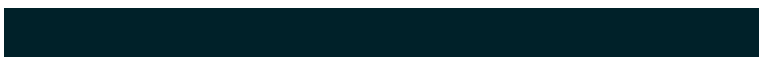
15.5784, 11.7483, 62.4201



11.9607, 13.0116, 15.1247



15.9717, 20.5900, 40.3250



0.9432, 1.2516, 2.2714

Inverse Universe

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



34.8802, 17.7661, 42.6663



52.4817, 25.7567, 61.1278



38.2057, 36.5805, 6.2768



12.2110, 11.9692, 14.3871



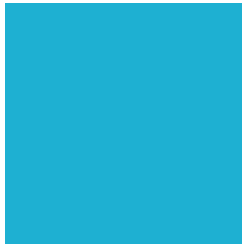
20.6925, 10.1498, 24.3506



1.1823, 0.5776, 1.4948

Previews

White Background



This preview shows how the XYZ color 27.6936, 35.9798, 66.4580 looks on a white background.

Color Contrast Check

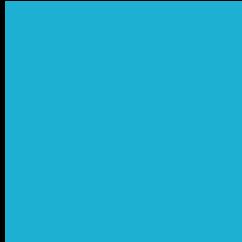
Large Text (above 18pt) WCAG AA × Fail

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 27.6936, 35.9798, 66.4580 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 27.6936, 35.9798, 66.4580

Background



This preview shows how black text looks on a background with the XYZ color 27.6936, 35.9798, 66.4580.

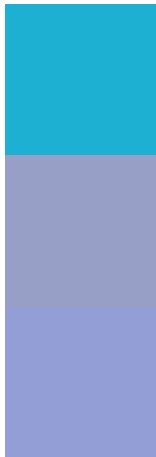


This preview shows how white text looks on a background with the XYZ color 27.6936, 35.9798,

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

27.6936, 35.9798, 66.4580

Protanopia

35.3537, 35.4528, 58.4058

Deuteranopia

36.3971, 35.5118, 68.5545



Tritanopia

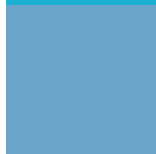
25.7457, 36.0905, 56.0613

Trichromacy



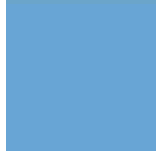
Original Color

27.6936, 35.9798, 66.4580



Protanomaly

30.1792, 34.3003, 60.9071



Deuteranomaly

31.1743, 34.6574, 67.9973



Tritanomaly

26.3672, 36.0355, 59.5987

Monochromacy



Original Color

27.6936, 35.9798, 66.4580



Achromatopsia

23.4014, 24.6201, 26.8113



Achromatomaly

22.6072, 27.3189, 38.7319

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.6936, 35.9798, 66.4580 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(30, 176, 210)` looks like.

```
.text, #text, p{  
    color:rgb(30, 176, 210)  
}
```

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(30, 176, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 176, 210) }
```

Border

The CSS property to change the border of an element to XYZ 27.6936, 35.9798, 66.4580 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(30, 176, 210) }
```


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

```
.border{ border-color:rgb(30, 176, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 176, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 176, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 176, 210);  
box-shadow:4px 4px 4px 4px rgb(30, 176,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 27.6936, 35.9798, 66.4580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 176, 210) }
```

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

```
.background{ background-color: rgb(30, 176,  
210) }
```

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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