

Converting Colors

XYZ(27.0618, 35.4876, 62.5502)

Have a look what the booklet for
XYZ(27.0618, 35.4876, 62.5502)
contains.

XYZ(27.0284, 35.4316, 62.5412)	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(27.0284, 35.4316,
62.5412)**

Conversions

Conversions Part 1

Format	Color
Hex	26AFCC
RGB	38, 175, 204
RGB Percent	15%, 69%, 80%
CMY	0.8509, 0.3137, 0.2000
CMYK	0.81, 0.14, 0.00, 0.20
HSL	190°, 69%, 47%
HSV	190°, 81%, 80%
XYZ	27.0284, 35.4316, 62.5412
YIQ	137.3430, -90.9610, -20.0250

Conversions

Conversions Part 2

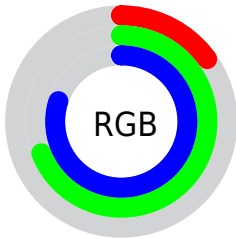
Format	Color
R _Y B	38, 113, 204
Decimal	2535372
CIE Lab	66.08, -25.01, -24.73
CIE LCh	66, 35.170, 224.678
Yxy	35.4316, 0.2162, 0.2835
Android (android.graphics.Color)	4280725452 (0xFF26AFCC)
YUV	137.3430, 32.8619, -87.1238
Hunter-Lab	59.5244, -23.1159, -20.6278

Details

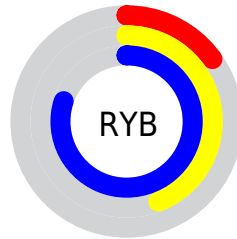
The XYZ color **27.0284, 35.4316, 62.5412** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle muted azure. A complement of this color would be **27.2604, 16.9938, 3.6785**, and the grayscale version is **23.8140, 25.0542, 27.2840**.

A 20% lighter version of the original color is **53.4360, 67.8825, 104.8940**, and **12.4646, 16.1211, 31.3089** is the 20% darker color. If you saturate the color by 10%, you get **25.7874, 33.7762, 62.2878**, and if you desaturate by 10%, it is **28.7018, 37.3384, 62.8217**.

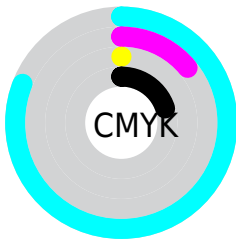
Distribution



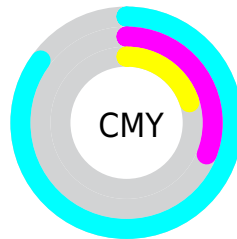
- Red (15%)
- Green (69%)
- Blue (80%)



- Red (15%)
- Yellow (44%)
- Blue (80%)



- Cyan (81%)
- Magenta (14%)
- Yellow (0%)
- Black (20%)



- Cyan (85%)
- Magenta (31%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.0284, 35.4316, 62.5412 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 27.0284, 35.4316, 62.5412 by changing the saturation by 10% instead.

■ 27.0284, 35.4316,
62.5412

■ 27.0284, 35.4316,
62.5412

279.9596,
326.4693, 451.9645

■ 17.7313, 23.9955,
45.0315

■ 54.3490, 68.1538,
110.0865

■ 10.8557, 15.3303,
31.1391

■ 73.1032, 90.2088,
140.9592

■ 6.0365, 9.0515,
20.4455

■ 95.7404, 116.5722,
177.1234

■ 2.9081, 4.7748,
12.5320

■ 122.6260,
147.6284, 218.9975

■ 1.1054, 2.1157,
6.9802

■ 154.1254,
183.7618, 267.0001

■ 0.0296, 0.6735,
3.3714

190.6039,

■ 0.0000, 0.0000,

225.3569, 321.5498

1.2873

232.4268,
272.7979, 383.0651

■ 0.0000, 0.0000,
0.0513

■ 0.0000, 0.0000,
0.0000

■ 27.0284, 35.4316,
62.5412

■ 27.0284, 35.4316,
62.5412

■ 25.7874, 33.7762,
62.2878

■ 28.7018, 37.3384,
62.8217

■ 24.9685, 32.4982,
62.0843

■ 30.8631, 39.5234,
63.1296

■ 33.5632, 42.0138,
63.4680

■ 36.8452, 44.8320,
63.8389

■ 40.7481, 47.9982,
64.2444

■ 45.3073, 51.5309,
64.6860

■ 50.5554, 55.4471,
65.1653

■ 56.5229, 59.7628,
65.6838

■ 63.2384, 64.4929,
66.2428

Harmonies

Analogous

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



24.8659, 35.4316, 46.3352



27.0284, 35.4316, 62.5412



31.0920, 35.4316, 73.4979

Triad

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



27.0284, 35.4316, 62.5412



44.3207, 35.4316, 46.6893



31.1956, 35.4316, 16.9086

Complementary

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



27.0284, 35.4316, 62.5412



27.2604, 16.9938, 3.6785

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.



36.4008, 35.4316, 16.9569



27.0284, 35.4316, 62.5412



44.3558, 35.4316, 31.7406

Square

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



27.0284, 35.4316, 62.5412



41.2429, 35.4316, 62.8575



41.3345, 35.4316, 21.6839



27.0975, 35.4316, 21.5284

Rectangle

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



27.0284, 35.4316, 62.5412



34.5023, 35.4316, 74.9311



41.3345, 35.4316, 21.6839



32.8643, 35.4316, 16.4269

Sweetspot

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



27.0296, 35.4329, 62.5421



72.6902, 83.5497, 106.9033



23.3671, 43.9882, 12.3641



14.9734, 17.4300, 22.8251



0.0000, 0.0000, 0.0000



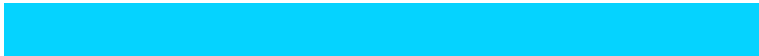
20.3446, 21.4041, 23.3091

Same Dimension

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



27.0296, 35.4329, 62.5421



41.4927, 54.0107, 102.8460



15.6439, 12.6615, 58.7468



11.3701, 12.3805, 14.3608



15.7761, 20.5762, 39.0964



0.8588, 1.1514, 2.0319

Inverse Universe

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



33.3339, 17.3201, 42.1448



53.0959, 26.0909, 64.0895



35.9481, 34.3691, 6.5744



11.6001, 11.3688, 13.6950



20.1740, 9.8802, 24.4325



1.0634, 0.5188, 1.3800

Previews

White Background



This preview shows how the XYZ color 27.0284, 35.4316, 62.5412 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 27.0284, 35.4316, 62.5412 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

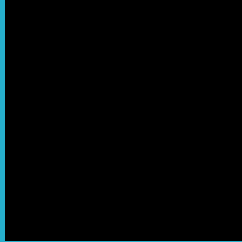
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 27.0284, 35.4316, 62.5412

Background



This preview shows how black text looks on a background with the XYZ color 27.0284, 35.4316, 62.5412.

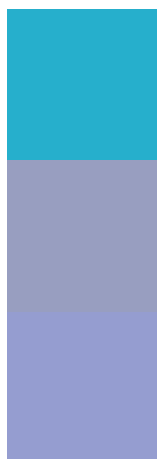


This preview shows how white text looks on a background with the XYZ color 27.0284, 35.4316,

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

27.0284, 35.4316, 62.5412

Protanopia

34.6902, 34.9349, 54.7839

Deuteranopia

35.8366, 35.0576, 64.5525



Tritanopia

25.5251, 35.3988, 55.3565

Trichromacy



Original Color

27.0284, 35.4316, 62.5412



Protanomaly

29.7948, 33.9159, 57.2006



Deuteranomaly

30.8446, 34.3071, 64.0277



Tritanomaly

25.9411, 35.2692, 57.6649

Monochromacy



Original Color

27.0284, 35.4316, 62.5412



Achromatopsia

23.7775, 25.0158, 27.2422



Achromatomaly

22.8665, 27.4731, 37.8159

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.0284, 35.4316, 62.5412 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(38, 175, 204)` looks like.

```
.text, #text, p{  
    color:rgb(38, 175, 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(38, 175, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 175, 204) }
```

Border

The CSS property to change the border of an element to XYZ 27.0284, 35.4316, 62.5412 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(38, 175, 204) }
```


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

```
.border{ border-color:rgb(38, 175, 204) }
```

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

Here you see how a box with a 4 pixel rgb(38, 175, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 175, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 175, 204);  
box-shadow:4px 4px 4px 4px rgb(38, 175,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 27.0284, 35.4316, 62.5412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 175, 204) }
```

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

```
.background{ background-color: rgb(38, 175,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor