

Converting Colors

XYZ(28.1344, 35.5651, 68.6582)

Have a look what the booklet for
XYZ(28.1344, 35.5651, 68.6582)
contains.

XYZ(28.1011, 35.5684, 68.3351)	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(28.1011, 35.5684,
68.3351)**

Conversions

Conversions Part 1

Format	Color
Hex	2AAED5
RGB	42, 174, 213
RGB Percent	16%, 68%, 84%
CMY	0.8352, 0.3176, 0.1647
CMYK	0.80, 0.18, 0.00, 0.16
HSL	194°, 67%, 50%
HSV	194°, 80%, 84%
XYZ	28.1011, 35.5684, 68.3351
YIQ	138.9780, -91.1910, -15.8550

Conversions

Conversions Part 2

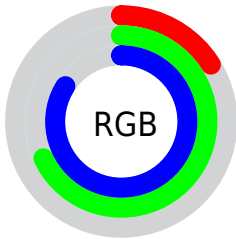
Format	Color
R _Y B	42, 116, 213
Decimal	2797269
CIE Lab	66.19, -21.17, -29.53
CIE LCh	66, 36.334, 234.364
Yxy	35.5684, 0.2129, 0.2694
Android (android.graphics.Color)	4280987349 (0xFF2AAED5)
YUV	138.9780, 36.4928, -85.0497
Hunter-Lab	59.6392, -20.2622, -26.1875

Details

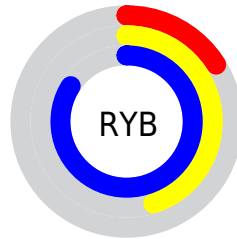
The XYZ color **28.1011, 35.5684, 68.3351** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **30.8025, 20.2004, 4.4675**, and the grayscale version is **24.4234, 25.6953, 27.9822**.

A 20% lighter version of the original color is **53.5493, 67.5266, 104.8193**, and **13.0089, 16.1434, 34.7781** is the 20% darker color. If you saturate the color by 10%, you get **26.5284, 33.3900, 67.9982**, and if you desaturate by 10%, it is **30.1726, 38.0556, 68.7067**.

Distribution



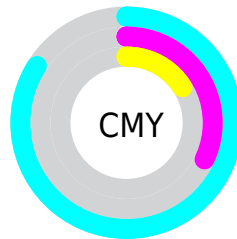
- Red (16%)
- Green (68%)
- Blue (84%)



- Red (16%)
- Yellow (45%)
- Blue (84%)



- Cyan (80%)
- Magenta (18%)
- Yellow (0%)
- Black (16%)



- Cyan (84%)
- Magenta (32%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.1011, 35.5684, 68.3351 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 28.1011, 35.5684, 68.3351 by changing the saturation by 10% instead.

■ 28.1011, 35.5684,
68.3351

■ 28.1011, 35.5684,
68.3351

285.0210,
327.0702, 473.3126

■ 18.5427, 24.1010,
49.7020

■ 56.0533, 68.3654,
118.4901

■ 11.4424, 15.4086,
34.8072

■ 75.1779, 90.4638,
150.8492

■ 6.4347, 9.1066,
23.2320

■ 98.2219, 116.8747,
188.6206

■ 3.1543, 4.8108,
14.5580

■ 125.5507,
147.9825, 232.2230

■ 1.2359, 2.1367,
8.3666

■ 157.5297,
184.1715, 282.0748

■ 0.1344, 0.6851,
4.2393

194.5241,

■ 0.0000, 0.0000,

225.8262, 338.5947

1.7575

236.8995,
273.3309, 402.2011

■ 0.0000, 0.0000,
0.3997

■ 0.0000, 0.0000,
0.0000

■ 28.1011, 35.5684,
68.3351

■ 28.1011, 35.5684,
68.3351

■ 26.5284, 33.3900,
67.9982

■ 30.1726, 38.0556,
68.7067

■ 25.3610, 31.5054,
67.6960

■ 32.8039, 40.8816,
69.1135

■ 36.0508, 44.0765,
69.5590

■ 39.9611, 47.6652,
70.0456

■ 44.5777, 51.6705,
70.5754

■ 49.9397, 56.1130,
71.1503

■ 56.0834, 61.0118,
71.7720

■ 63.0427, 66.3849,
72.4424

■ 70.8491, 72.2491,
73.1628

Harmonies

Analogous

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



25.1889, 35.5684, 52.3628



28.1011, 35.5684, 68.3351



32.7953, 35.5684, 76.5821

Triad

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



28.1011, 35.5684, 68.3351



45.2508, 35.5684, 41.7281



29.6947, 35.5684, 17.4357

Complementary

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



28.1011, 35.5684, 68.3351



30.8025, 20.2004, 4.4675

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.



34.8387, 35.5684, 16.0031



28.1011, 35.5684, 68.3351



44.1951, 35.5684, 27.6928

Square

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



28.1011, 35.5684, 68.3351



42.9849, 35.5684, 58.8070



40.2366, 35.5684, 19.2115



26.0379, 35.5684, 23.8349

Rectangle

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



28.1011, 35.5684, 68.3351



36.4533, 35.5684, 75.3487



40.2366, 35.5684, 19.2115



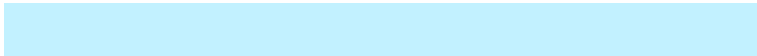
31.2914, 35.5684, 16.4438

Sweetspot

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



28.1023, 35.5697, 68.3360



71.7144, 81.5980, 106.5780



26.1635, 48.6470, 15.4198



14.7359, 16.9550, 22.7459



0.0000, 0.0000, 0.0000



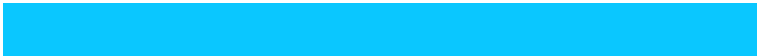
20.3446, 21.4041, 23.3091

Same Dimension

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



28.1023, 35.5697, 68.3360



38.6392, 48.2089, 101.8765



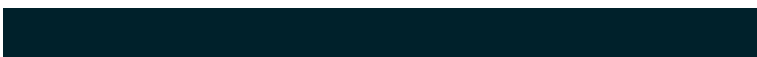
16.6610, 12.6870, 64.5222



12.5409, 13.6051, 15.9026



15.5717, 19.4052, 41.3780



0.9993, 1.2906, 2.5157

Inverse Universe

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



35.9096, 18.8593, 41.7931



51.6788, 25.6126, 56.3536



41.2341, 41.0636, 7.9447



12.8262, 12.5820, 15.0250



20.9187, 10.3038, 22.6739



1.2920, 0.6336, 1.5273

Previews

White Background



This preview shows how the XYZ color 28.1011, 35.5684, 68.3351 looks on a white background.

Color Contrast Check

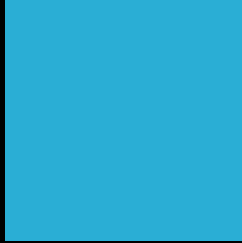
Large Text (above 18pt) WCAG AA × Fail

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 28.1011, 35.5684, 68.3351 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

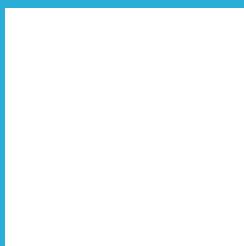
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.1011, 35.5684, 68.3351

Background



This preview shows how black text looks on a background with the XYZ color 28.1011, 35.5684, 68.3351.

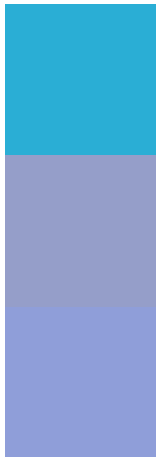


This preview shows how white text looks on a background with the XYZ color 28.1011, 35.5684,

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

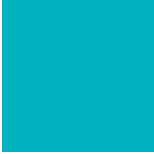
28.1011, 35.5684, 68.3351

Protanopia

35.1639, 35.0603, 60.1723

Deuteranopia

36.0789, 35.3031, 70.5583



Tritanopia

25.4348, 35.6466, 55.4091

Trichromacy



Original Color

28.1011, 35.5684, 68.3351

Protanomaly

30.7253, 34.2737, 62.7537

Deuteranomaly

31.6140, 34.5730, 69.9728

Tritanomaly

26.3445, 35.7160, 60.1490

Monochromacy



Original Color

28.1011, 35.5684, 68.3351

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

23.8201, 28.1527, 40.2550

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.1011, 35.5684, 68.3351 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(42, 174, 213)` looks like.

```
.text, #text, p{  
    color:rgb(42, 174, 213)  
}
```

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(42, 174, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 174, 213) }
```

Border

The CSS property to change the border of an element to XYZ 28.1011, 35.5684, 68.3351 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(42, 174, 213) }
```


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

```
.border{ border-color:rgb(42, 174, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 174, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 174, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 174, 213);  
box-shadow:4px 4px 4px 4px rgb(42, 174,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 28.1011, 35.5684, 68.3351 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 174, 213) }
```

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

```
.background{ background-color: rgb(42, 174,  
213) }
```

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