

Converting Colors

XYZ(29.3834, 35.3999, 80.2102)

Have a look what the booklet for
XYZ(29.3834, 35.3999, 80.2102)
contains.

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Color

**XYZ(29.3663, 35.3888,
80.1459)**

Conversions

Conversions Part 1

Format	Color
Hex	16ACE6
RGB	22, 172, 230
RGB Percent	9%, 67%, 90%
CMY	0.9136, 0.3255, 0.0980
CMYK	0.90, 0.25, 0.00, 0.10
HSL	197°, 83%, 49%
HSV	197°, 90%, 90%
XYZ	29.3663, 35.3888, 80.1459
YIQ	133.7620, -108.0180, -13.7620

Conversions

Conversions Part 2

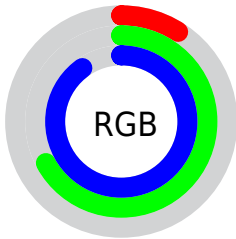
Format	Color
RYB	22, 109, 230
Decimal	1486054
CIELab	66.05, -15.65, -39.11
CIELCh	66, 42.128, 248.198
Yxy	35.3888, 0.2027, 0.2442
Android (android.graphics.Color)	4279676134 (0xFF16ACE6)
YUV	133.7620, 47.4453, -98.0153
Hunter-Lab	59.4885, -15.9889, -38.2365

Details

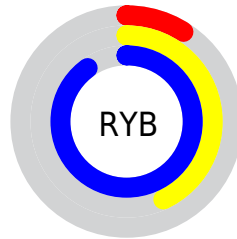
The XYZ color **29.3663, 35.3888, 80.1459** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **35.6495, 22.6231, 3.2484**, and the grayscale version is **22.4365, 23.6050, 25.7058**.

A 20% lighter version of the original color is **52.0746, 65.5377, 104.5132**, and **14.3565, 16.4889, 42.4704** is the 20% darker color. If you saturate the color by 10%, you get **27.8934, 32.9340, 79.7504**, and if you desaturate by 10%, it is **31.3700, 38.2786, 80.5988**.

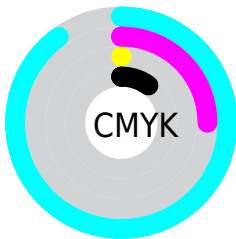
Distribution



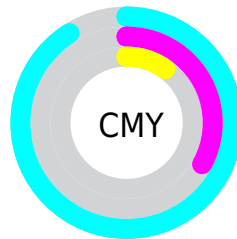
- Red (9%)
- Green (67%)
- Blue (90%)



- Red (9%)
- Yellow (43%)
- Blue (90%)



- Cyan (90%)
- Magenta (25%)
- Yellow (0%)
- Black (10%)



- Cyan (91%)
- Magenta (33%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.3663, 35.3888, 80.1459 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 29.3663, 35.3888, 80.1459 by changing the saturation by 10% instead.

■ 29.3663, 35.3888,
80.1459

■ 29.3663, 35.3888,
80.1459

290.9025,
326.2812, 515.1441

■ 19.5038, 23.9625,
59.3115

■ 58.0521, 68.0876,
135.3841

■ 12.1410, 15.3058,
42.4423

■ 77.6061, 90.1290,
170.6250

■ 6.9127, 9.0343,
29.1196

■ 101.1213,
116.4775, 211.5052

■ 3.4534, 4.7636,
18.9250

■ 128.9630,
147.5176, 258.4432

■ 1.3978, 2.1092,
11.4398

■ 161.4966,
183.6336, 311.8576

■ 0.2547, 0.6698,
6.2456

199.0875,

■ 0.0000, 0.0000,

225.2099, 372.1668

2.9238

242.1010,
272.6310, 439.7895

■ 0.0000, 0.0000,
1.0559

■ 0.0000, 0.0000,
0.0000

■ 29.3663, 35.3888,
80.1459

■ 29.3663, 35.3888,
80.1459

■ 27.8934, 32.9340,
79.7504

■ 31.3700, 38.2786,
80.5988

■ 33.9828, 41.5705,
81.0965

■ 37.2849, 45.3076,
81.6438

■ 41.3430, 49.5254,
82.2440

■ 46.2153, 54.2551,
82.9002

■ 51.9540, 59.5247,
83.6148

■ 58.6070, 65.3599,
84.3905

■ 66.2181, 71.7845,
85.2294

■ 74.8286, 78.8207,
86.1337

Harmonies

Analogous

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



25.0464, 35.3888, 63.9800



29.3663, 35.3888, 80.1459



35.3792, 35.3888, 83.6344

Triad

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



29.3663, 35.3888, 80.1459



46.9909, 35.3888, 33.8294



26.7372, 35.3888, 17.3164

Complementary

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



29.3663, 35.3888, 80.1459



35.6495, 22.6231, 3.2484

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.



31.9511, 35.3888, 13.5161



29.3663, 35.3888, 80.1459



43.9941, 35.3888, 20.9247

Square

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



29.3663, 35.3888, 80.1459



46.0759, 35.3888, 52.7840



38.3007, 35.3888, 14.5933



23.6646, 35.3888, 27.1090

Rectangle

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



29.3663, 35.3888, 80.1459



39.6412, 35.3888, 77.5303



38.3007, 35.3888, 14.5933



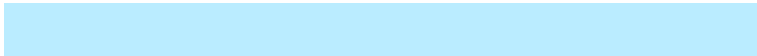
28.2701, 35.3888, 15.4595

Sweetspot

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



29.3676, 35.3900, 80.1468



68.2738, 77.5531, 105.9786



29.9856, 57.3079, 16.5934



14.0254, 16.0760, 22.6137



0.0000, 0.0000, 0.0000



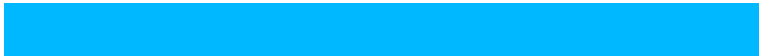
20.3446, 21.4041, 23.3091

Same Dimension

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



29.3676, 35.3900, 80.1468



35.1666, 41.4532, 100.7555



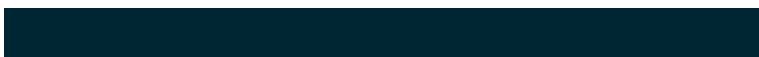
16.8399, 10.3346, 75.9709



14.4499, 15.6212, 18.3979



15.8995, 18.8612, 45.1857



1.2522, 1.5483, 3.3648

Inverse Universe

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



40.3676, 20.3768, 40.8363



49.8797, 24.7159, 47.4259



49.3992, 50.1224, 7.8316



14.8147, 14.5431, 17.2244



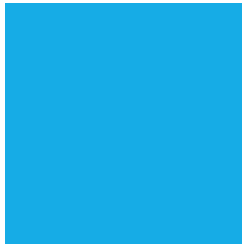
22.4189, 11.1018, 21.6325



1.6957, 0.8360, 1.8039

Previews

White Background



This preview shows how the XYZ color 29.3663, 35.3888, 80.1459 looks on a white background.

Color Contrast Check

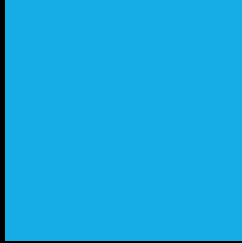
Large Text (above 18pt) WCAG AA × Fail

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 29.3663, 35.3888, 80.1459 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

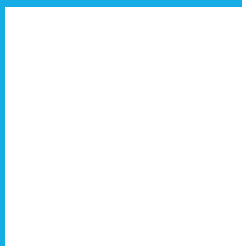
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.3663, 35.3888, 80.1459

Background



This preview shows how black text looks on a background with the XYZ color 29.3663, 35.3888, 80.1459.

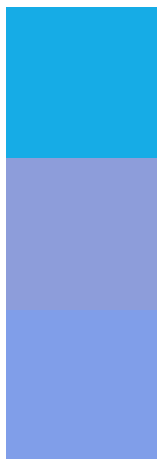


This preview shows how white text looks on a background with the XYZ color 29.3663, 35.3888,

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

29.3663, 35.3888, 80.1459

Protanopia

35.6964, 34.8386, 71.1728

Deuteranopia

35.8369, 34.9261, 81.9434



Tritanopia

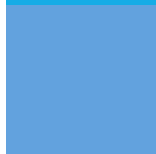
25.1261, 35.2059, 54.7613

Trichromacy



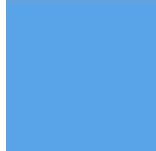
Original Color

29.3663, 35.3888, 80.1459



Protanomaly

31.1421, 33.7113, 73.9728



Deuteranomaly

31.7825, 34.1444, 81.2593



Tritanomaly

26.4496, 35.1193, 63.1423

Monochromacy



Original Color

29.3663, 35.3888, 80.1459



Achromatopsia

22.6597, 23.8398, 25.9615



Achromatomaly

22.2655, 26.3715, 41.4528

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.3663, 35.3888, 80.1459 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(22, 172, 230)` looks like.

```
.text, #text, p{  
    color:rgb(22, 172, 230)  
}
```

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(22, 172, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 172, 230) }
```

Border

The CSS property to change the border of an element to XYZ 29.3663, 35.3888, 80.1459 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(22, 172, 230) }
```


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

```
.border{ border-color:rgb(22, 172, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 172, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 172, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 172, 230);  
box-shadow:4px 4px 4px 4px rgb(22, 172,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 29.3663, 35.3888, 80.1459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 172, 230) }
```

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

```
.background{ background-color: rgb(22, 172,  
230) }
```

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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