

Converting Colors

XYZ(29.9976, 35.5916, 84.6480)

Have a look what the booklet for
XYZ(29.9976, 35.5916, 84.6480)
contains.

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Color

**XYZ(30.0180, 35.6257,
84.6512)**

Conversions

Conversions Part 1

Format	Color
Hex	0AACEC
RGB	10, 172, 236
RGB Percent	4%, 67%, 93%
CMY	0.9605, 0.3255, 0.0745
CMYK	0.96, 0.27, 0.00, 0.07
HSL	197°, 92%, 48%
HSV	197°, 96%, 93%
XYZ	30.0180, 35.6257, 84.6512
YIQ	130.8580, -117.0960, -14.4400

Conversions

Conversions Part 2

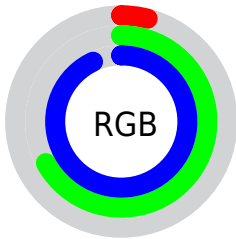
Format	Color
RYB	10, 104, 236
Decimal	699628
CIELab	66.23, -13.95, -42.12
CIELCh	66, 44.372, 251.674
Yxy	35.6257, 0.1997, 0.2370
Android (android.graphics.Color)	4278889708 (0xFF0AACEC)
YUV	130.8580, 51.8350, -105.9925
Hunter-Lab	59.6873, -14.6813, -42.3067

Details

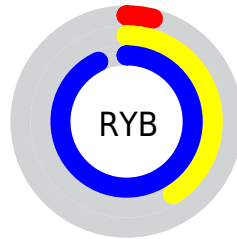
The XYZ color **30.0180, 35.6257, 84.6512** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **37.1004, 22.7608, 2.7268**, and the grayscale version is **21.3808, 22.4943, 24.4962**.

A 20% lighter version of the original color is **51.9495, 65.4732, 104.5073**, and **14.9547, 16.7282, 45.6207** is the 20% darker color. If you saturate the color by 10%, you get **29.3567, 34.4886, 84.4673**, and if you desaturate by 10%, it is **31.8465, 38.5054, 85.1114**.

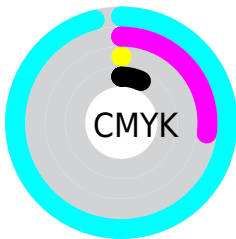
Distribution



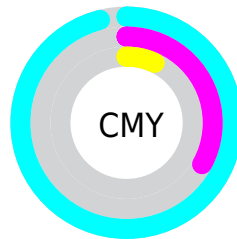
- Red (4%)
- Green (67%)
- Blue (93%)



- Red (4%)
- Yellow (41%)
- Blue (93%)



- Cyan (96%)
- Magenta (27%)
- Yellow (0%)
- Black (7%)



- Cyan (96%)
- Magenta (33%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.0180, 35.6257, 84.6512 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 30.0180, 35.6257, 84.6512 by changing the saturation by 10% instead.

■ 30.0180, 35.6257,
84.6512

■ 30.0180, 35.6257,
84.6512

293.8967,
327.3216, 530.5877

■ 20.0004, 24.1453,
63.0047

■ 59.0771, 68.4540,
141.7556

■ 12.5036, 15.4414,
45.4040

■ 78.8493, 90.5705,
178.0506

■ 7.1623, 9.1298,
31.4305

■ 102.6037,
117.0013, 220.0655

■ 3.6110, 4.8259,
20.6657

■ 130.7057,
148.1307, 268.2188

■ 1.4845, 2.1455,
12.6910

■ 163.5206,
184.3430, 322.9292

■ 0.3153, 0.6900,
7.0879

201.4139,

■ 0.0000, 0.0000,

226.0226, 384.6151

3.4378

244.7508,
273.5540, 453.6951

■ 0.0000, 0.0000,
1.3223

■ 0.0000, 0.0000,
0.0800

■ 30.0180, 35.6257,
84.6512

■ 30.0180, 35.6257,
84.6512

■ 29.3567, 34.4886,
84.4673

■ 31.8465, 38.5054,
85.1114

■ 34.2696, 41.7875,
85.6172

■ 37.3841, 45.5236,
86.1742

■ 41.2673, 49.7550,
86.7863

■ 45.9855, 54.5172,
87.4568

■ 51.5977, 59.8418,
88.1888

■ 58.1572, 65.7575,
88.9849

■ 65.7128, 72.2906,
89.8477

■ 74.3102, 79.4659,
90.7795

Harmonies

Analogous

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



25.2230, 35.6257, 68.3937



30.0180, 35.6257, 84.6512



36.5000, 35.6257, 86.5049

Triad

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



30.0180, 35.6257, 84.6512



47.9040, 35.6257, 31.8780



26.0902, 35.6257, 17.4506

Complementary

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



30.0180, 35.6257, 84.6512



37.1004, 22.7608, 2.7268

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.



31.3527, 35.6257, 12.9385



30.0180, 35.6257, 84.6512



44.2757, 35.6257, 19.2646

Square

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



30.0180, 35.6257, 84.6512



47.4243, 35.6257, 51.4055



38.0191, 35.6257, 13.4717



23.1671, 35.6257, 28.4289

Rectangle

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



30.0180, 35.6257, 84.6512



40.9870, 35.6257, 78.7738



38.0191, 35.6257, 13.4717



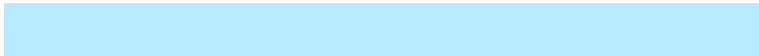
27.6131, 35.6257, 15.3178

Sweetspot

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



30.0193, 35.6269, 84.6521



66.5557, 75.9256, 105.7550



31.2371, 60.5025, 15.8780



13.5344, 15.6082, 22.5493



0.0000, 0.0000, 0.0000



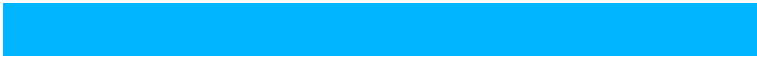
20.3446, 21.4041, 23.3091

Same Dimension

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



30.0193, 35.6269, 84.6521



34.9359, 40.9918, 100.6786



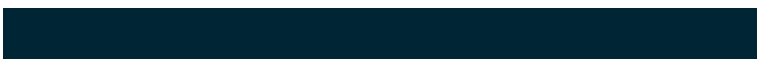
17.0318, 9.6520, 80.3230



15.1362, 16.3588, 19.2821



16.2972, 19.2413, 46.5980



1.3607, 1.6729, 3.6861

Inverse Universe

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



42.1482, 21.0301, 40.8684



49.7632, 24.6693, 46.8127



51.6392, 51.8385, 7.5731



15.5223, 15.2368, 18.0357



23.0814, 11.4352, 22.0275



1.8533, 0.9143, 1.9450

Previews

White Background



This preview shows how the XYZ color 30.0180, 35.6257, 84.6512 looks on a white background.

Color Contrast Check

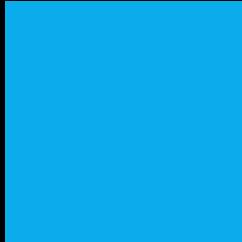
Large Text (above 18pt) WCAG AA × Fail

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 30.0180, 35.6257, 84.6512 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

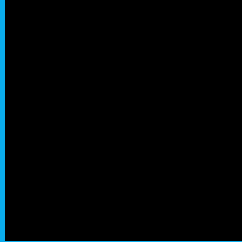
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.0180, 35.6257, 84.6512

Background



This preview shows how black text looks on a background with the XYZ color 30.0180, 35.6257, 84.6512.

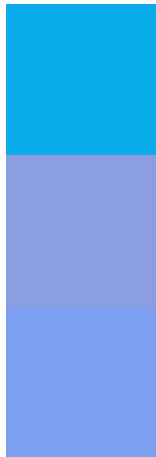


This preview shows how white text looks on a background with the XYZ color 30.0180, 35.6257,

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

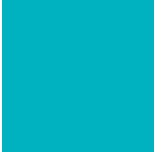
30.0180, 35.6257, 84.6512

Protanopia

36.3289, 35.3245, 75.4246

Deuteranopia

36.2903, 35.3134, 86.5648



Tritanopia

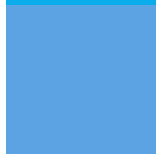
25.3244, 35.6024, 54.8274

Trichromacy



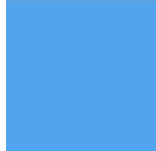
Original Color

30.0180, 35.6257, 84.6512



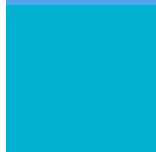
Protanomaly

31.5144, 34.0711, 78.3142



Deuteranomaly

32.2754, 34.5630, 85.8591



Tritanomaly

26.8379, 35.5815, 64.4849

Monochromacy



Original Color

30.0180, 35.6257, 84.6512



Achromatopsia

21.5731, 22.6966, 24.7166



Achromatomaly

21.3708, 25.4486, 41.3218

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.0180, 35.6257, 84.6512 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(10, 172, 236)` looks like.

```
.text, #text, p{  
    color:rgb(10, 172, 236)  
}
```

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(10, 172, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 172, 236) }
```

Border

The CSS property to change the border of an element to XYZ 30.0180, 35.6257, 84.6512 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(10, 172, 236) }
```


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

```
.border{ border-color:rgb(10, 172, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(10, 172, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 172, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 172, 236);  
box-shadow:4px 4px 4px 4px rgb(10, 172,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 30.0180, 35.6257, 84.6512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 172, 236) }
```

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

```
.background{ background-color: rgb(10, 172,  
236) }
```

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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