

Converting Colors

XYZ(10.5956, 25.5542, 91.0488)

Have a look what the booklet for
XYZ(10.5956, 25.5542, 91.0488)
contains.

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Color

**XYZ(31.2340, 36.0976,
91.7075)**

Conversions

Conversions Part 1

Format	Color
Hex	00ACF5
RGB	0, 172, 245
RGB Percent	0%, 67%, 96%
CMY	0.9997, 0.3255, 0.0392
CMYK	1.00, 0.30, 0.00, 0.04
HSL	198°, 100%, 48%
HSV	198°, 100%, 96%
XYZ	31.2340, 36.0976, 91.7075
YIQ	128.8940, -125.9450, -13.7610

Conversions

Conversions Part 2

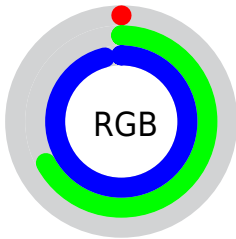
Format	Color
RYB	0, 101, 245
Decimal	44277
CIELab	66.59, -10.97, -46.47
CIELCh	67, 47.750, 256.715
Yxy	36.0976, 0.1964, 0.2270
Android (android.graphics.Color)	4278234357 (0xFF00ACF5)
YUV	128.8940, 57.2403, -113.0400
Hunter-Lab	60.0813, -12.3468, -48.4428

Details

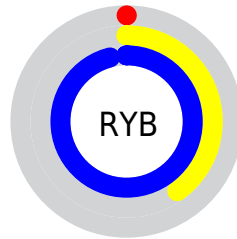
The XYZ color **31.2340, 36.0976, 91.7075** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle saturated azure. A complement of this color would be **40.0444, 24.1878, 2.5603**, and the grayscale version is **20.6753, 21.7520, 23.6879**.

A 20% lighter version of the original color is **51.9495, 65.4732, 104.5073**, and **15.7936, 17.0638, 50.0382** is the 20% darker color. If you saturate the color by 10%, you get **31.2301, 36.0897, 91.7069**, and if you desaturate by 10%, it is **33.0532, 39.1561, 92.2027**.

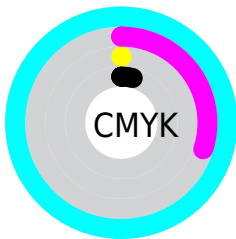
Distribution



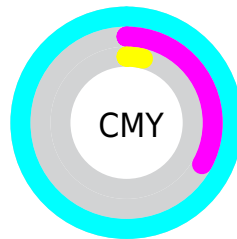
- Red (0%)
- Green (67%)
- Blue (96%)



- Red (0%)
- Yellow (40%)
- Blue (96%)



- Cyan (100%)
- Magenta (30%)
- Yellow (0%)
- Black (4%)



- Cyan (100%)
- Magenta (33%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2340, 36.0976, 91.7075 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 31.2340, 36.0976, 91.7075 by changing the saturation by 10% instead.

31.2340, 36.0976,
91.7075

31.2340, 36.0976,
91.7075

299.4226,
329.3869, 554.2825

20.9298, 24.5096,
68.8160

60.9816, 69.1827,
151.6641

13.1849, 15.7121,
50.0911

81.1558, 91.4485,
189.5663

7.6338, 9.3206,
35.1141

105.3506,
118.0425, 233.3092

3.9114, 4.9509,
23.4665

133.9315,
149.3489, 283.3113

1.6521, 2.2185,
14.7298

167.2638,
185.7521, 339.9911

0.4260, 0.7300,
8.4855

205.7128,

0.0000, 0.0000,

227.6366, 403.7673

4.3149

249.6440,
275.3867, 475.0582

■ 0.0000, 0.0000,
1.7997

■ 0.0000, 0.0000,
0.4277

■ 31.2340, 36.0976,
91.7075

■ 31.2340, 36.0976,
91.7075

■ 31.2301, 36.0897,
91.7069

■ 33.0532, 39.1561,
92.2027

■ 35.4387, 42.6212,
92.7458

■ 38.5445, 46.5744,
93.3452

■ 42.4626, 51.0650,
94.0055

■ 47.2706, 56.1345,
94.7306

■ 53.0364, 61.8197,
95.5240

■ 59.8210, 68.1534,
96.3890

■ 67.6801, 75.1659,
97.3283

■ 76.6652, 82.8854,
98.3447

Harmonies

Analogous

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



25.6880, 36.0976, 75.6828



31.2340, 36.0976, 91.7075



38.4354, 36.0976, 90.6343

Triad

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



31.2340, 36.0976, 91.7075



49.3031, 36.0976, 28.9941



25.2093, 36.0976, 17.9505

Complementary

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



31.2340, 36.0976, 91.7075



40.0444, 24.1878, 2.5603

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.



30.4903, 36.0976, 12.2960



31.2340, 36.0976, 91.7075



44.6723, 36.0976, 16.9763

Square

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



31.2340, 36.0976, 91.7075



49.5759, 36.0976, 49.1079



37.5809, 36.0976, 12.0159



22.5512, 36.0976, 30.9006

Rectangle

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



31.2340, 36.0976, 91.7075



43.2425, 36.0976, 80.2811



37.5809, 36.0976, 12.0159



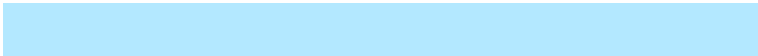
26.7004, 36.0976, 15.3658

Sweetspot

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



31.2354, 36.0988, 91.7084



65.4378, 74.5697, 105.5522



33.7425, 65.7414, 16.6182



13.3054, 15.3153, 22.5048



0.0000, 0.0000, 0.0000



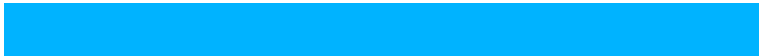
20.3446, 21.4041, 23.3091

Same Dimension

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



31.2354, 36.0988, 91.7084



34.1697, 39.4593, 100.4232



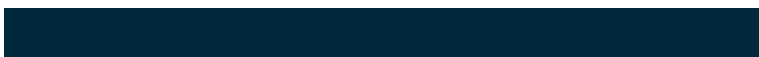
17.7622, 9.1524, 87.2174



16.5554, 17.8750, 21.1202



16.9507, 19.6952, 49.4462



1.5792, 1.9098, 4.3756

Inverse Universe

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



45.1039, 22.3929, 40.9756



49.3765, 24.5146, 44.7760



56.4921, 57.0831, 8.0429



16.9909, 16.6792, 19.6986



24.3605, 12.0876, 22.4043



2.1862, 1.0804, 2.2067

Previews

White Background



This preview shows how the XYZ color 31.2340, 36.0976, 91.7075 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 31.2340, 36.0976, 91.7075 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

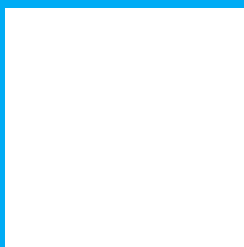
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.2340, 36.0976, 91.7075

Background



This preview shows how black text looks on a background with the XYZ color 31.2340, 36.0976, 91.7075.

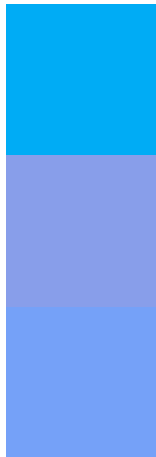


This preview shows how white text looks on a background with the XYZ color 31.2340, 36.0976,

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

31.2340, 36.0976, 91.7075

Protanopia

37.2315, 35.6285, 82.7566

Deuteranopia

37.0243, 36.0490, 93.8137



Tritanopia

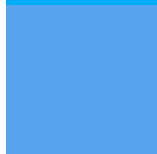
25.6345, 36.0460, 55.4757

Trichromacy



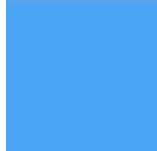
Original Color

31.2340, 36.0976, 91.7075



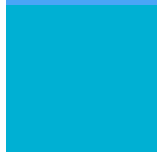
Protanomaly

32.4603, 34.3937, 85.8167



Deuteranomaly

33.0677, 35.0815, 93.0242



Tritanomaly

27.2832, 35.7538, 67.0912

Monochromacy



Original Color

31.2340, 36.0976, 91.7075



Achromatopsia

20.8660, 21.9526, 23.9064



Achromatomaly

20.9558, 24.9849, 42.2462

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2340, 36.0976, 91.7075 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(0, 172, 245)` looks like.

```
.text, #text, p{  
    color:rgb(0, 172, 245)  
}
```

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(0, 172, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 172, 245) }
```

Border

The CSS property to change the border of an element to XYZ 31.2340, 36.0976, 91.7075 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(0, 172, 245) }
```


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

```
.border{ border-color:rgb(0, 172, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 172, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 172, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 172, 245);  
box-shadow:4px 4px 4px 4px rgb(0, 172,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2340, 36.0976, 91.7075 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 172, 245) }
```

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

```
.background{ background-color: rgb(0, 172,  
245) }
```

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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