

Converting Colors

XYZ(32.2931, 36.0499, 96.9077)

Have a look what the booklet for
XYZ(32.2931, 36.0499, 96.9077)
contains.

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Color

**XYZ(32.1640, 35.9087,
96.5026)**

Conversions

Conversions Part 1

Format	Color
Hex	18AAFB
RGB	24, 170, 251
RGB Percent	9%, 67%, 98%
CMY	0.9057, 0.3333, 0.0157
CMYK	0.90, 0.32, 0.00, 0.02
HSL	201°, 97%, 54%
HSV	201°, 90%, 98%
XYZ	32.1640, 35.9087, 96.5026
YIQ	135.5800, -113.0170, -5.7610

Conversions

Conversions Part 2

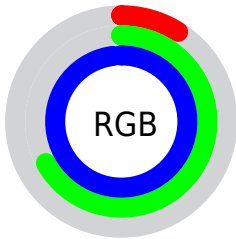
Format	Color
RYP	24, 113, 251
Decimal	1616635
CIELab	66.45, -6.96, -49.96
CIElCh	66, 50.440, 262.069
Yxy	35.9087, 0.1954, 0.2182
Android (android.graphics.Color)	4279806715 (0xFF18AAFB)
YUV	135.5800, 56.9021, -97.8557
Hunter-Lab	59.9239, -9.0573, -53.5351

Details

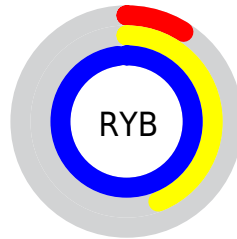
The XYZ color **32.1640, 35.9087, 96.5026** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle washed azure. A complement of this color would be **45.0046, 30.6863, 4.4173**, and the grayscale version is **23.0743, 24.2760, 26.4365**.

A 20% lighter version of the original color is **52.1777, 64.7834, 104.3621**, and **16.2160, 16.8519, 53.4370** is the 20% darker color. If you saturate the color by 10%, you get **30.2316, 32.6029, 95.9671**, and if you desaturate by 10%, it is **34.7980, 39.8455, 97.1244**.

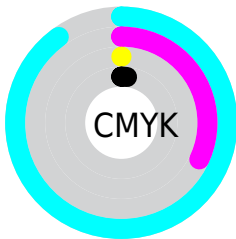
Distribution



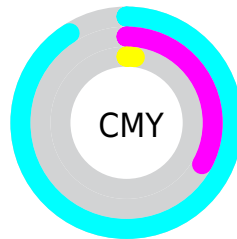
- Red (9%)
- Green (67%)
- Blue (98%)



- Red (9%)
- Yellow (44%)
- Blue (98%)



- Cyan (90%)
- Magenta (32%)
- Yellow (0%)
- Black (2%)



- Cyan (91%)
- Magenta (33%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.1640, 35.9087, 96.5026 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 32.1640, 35.9087, 96.5026 by changing the saturation by 10% instead.

■ 32.1640, 35.9087,
96.5026

■ 32.1640, 35.9087,
96.5026

303.5977,
328.5613, 570.0710

■ 21.6429, 24.3637,
72.7824

■ 62.4316, 68.8911,
158.3523

■ 13.7099, 15.6036,
53.3073

■ 82.9088, 91.0973,
197.3189

■ 7.9995, 9.2441,
37.6588

■ 107.4354,
117.6261, 242.2047

■ 4.1465, 4.9007,
25.4182

■ 136.3769,
148.8617, 293.4283

■ 1.7853, 2.1891,
16.1670

■ 170.0985,
185.1886, 351.4081

■ 0.5088, 0.7141,
9.4868

208.9656,

■ 0.0000, 0.0000,

226.9913, 416.5629

4.9589

253.3435,
274.6541, 489.3110

■ 0.0000, 0.0000,
2.1649

■ 0.0000, 0.0000,
0.6540

■ 32.1640, 35.9087,
96.5026

■ 32.1640, 35.9087,
96.5026

■ 30.2316, 32.6029,
95.9671

■ 34.7980, 39.8455,
97.1244

■ 38.2207, 44.3616,
97.8157

■ 42.5333, 49.5127,
98.5827

■ 47.8195, 55.3451,
99.4299

■ 54.1528, 61.8998,
100.3612

■ 61.5991, 69.2135,
101.3805

■ 70.2183, 77.3202,
102.4909

■ 80.0661, 86.2513,
103.6958

■ 91.1944, 96.0362,
104.9979

Harmonies

Analogous

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



25.9538, 35.9087, 81.9698



32.1640, 35.9087, 96.5026



39.8866, 35.9087, 91.7410

Triad

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



32.1640, 35.9087, 96.5026



49.4466, 35.9087, 25.4533



23.9032, 35.9087, 18.6892

Complementary

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



32.1640, 35.9087, 96.5026



45.0046, 30.6863, 4.4173

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.



28.9561, 35.9087, 11.8213



32.1640, 35.9087, 96.5026



43.8653, 35.9087, 14.6015

Square

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



32.1640, 35.9087, 96.5026



50.6414, 35.9087, 45.1268



36.1748, 35.9087, 10.6668



21.6654, 35.9087, 33.6324

Rectangle

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



32.1640, 35.9087, 96.5026



44.8224, 35.9087, 78.8462



36.1748, 35.9087, 10.6668



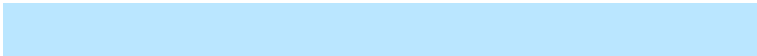
25.2898, 35.9087, 15.6264

Sweetspot

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



32.1654, 35.9099, 96.5035



66.7524, 74.5104, 105.4715



37.3472, 70.1784, 24.5348



13.6643, 15.3539, 22.4934



0.0000, 0.0000, 0.0000



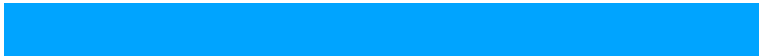
20.3446, 21.4041, 23.3091

Same Dimension

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



32.1654, 35.9099, 96.5035



31.3245, 33.7691, 99.4748



19.3075, 10.1942, 92.2176



17.2143, 18.5054, 22.0499



16.0335, 17.4226, 50.4914



1.5851, 1.8138, 4.7097

Inverse Universe

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



47.3673, 24.0666, 40.1799



47.9404, 23.9401, 37.2137



64.7509, 70.1788, 10.9994



17.7147, 17.4132, 20.3533



24.3850, 12.1697, 19.2676



2.3090, 1.1473, 2.0505

Previews

White Background



This preview shows how the XYZ color 32.1640, 35.9087, 96.5026 looks on a white background.

Color Contrast Check

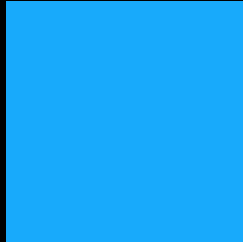
Large Text (above 18pt) WCAG AA × Fail

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 32.1640, 35.9087, 96.5026 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

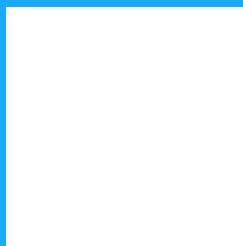
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.1640, 35.9087, 96.5026

Background



This preview shows how black text looks on a background with the XYZ color 32.1640, 35.9087, 96.5026.

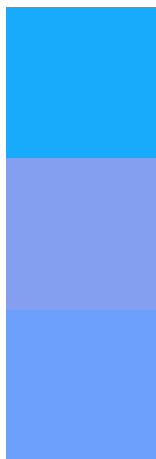


This preview shows how white text looks on a background with the XYZ color 32.1640, 35.9087,

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

32.1640, 35.9087, 96.5026

Protanopia

37.4708, 35.6505, 87.3444

Deuteranopia

36.6071, 35.4847, 97.8483



Tritanopia

25.3244, 35.6024, 54.8274

Trichromacy



Original Color

32.1640, 35.9087, 96.5026

Protanomaly

33.7637, 34.6995, 90.5061

Deuteranomaly

33.9880, 35.1989, 97.0982

Tritanomaly

27.4529, 35.5221, 68.3603

Monochromacy



Original Color

32.1640, 35.9087, 96.5026

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

23.3451, 26.8271, 46.0672

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.1640, 35.9087, 96.5026 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(24, 170, 251)` looks like.

```
.text, #text, p{  
    color:rgb(24, 170, 251)  
}
```

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(24, 170, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 170, 251) }
```

Border

The CSS property to change the border of an element to XYZ 32.1640, 35.9087, 96.5026 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(24, 170, 251) }
```


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

```
.border{ border-color:rgb(24, 170, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(24, 170, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 170, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 170, 251);  
box-shadow:4px 4px 4px 4px rgb(24, 170,  
251) }
```

Background

The CSS property to change the background color of an element to XYZ 32.1640, 35.9087, 96.5026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 170, 251) }
```

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

```
.background{ background-color: rgb(24, 170,  
251) }
```

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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