

Converting Colors

XYZ(31.2289, 35.6280, 91.6181)

Have a look what the booklet for
XYZ(31.2289, 35.6280, 91.6181)
contains.

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Color

**XYZ(31.1654, 35.5015,
91.5961)**

Conversions

Conversions Part 1

Format	Color
Hex	15AAF5
RGB	21, 170, 245
RGB Percent	8%, 67%, 96%
CMY	0.9175, 0.3333, 0.0392
CMYK	0.91, 0.31, 0.00, 0.04
HSL	200°, 92%, 52%
HSV	200°, 91%, 96%
XYZ	31.1654, 35.5015, 91.5961
YIQ	133.9990, -112.8790, -8.2630

Conversions

Conversions Part 2

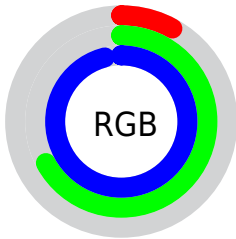
Format	Color
R _{YB}	21, 110, 245
Decimal	1420021
CIE Lab	66.14, -9.26, -47.18
CIE LCh	66, 48.083, 258.902
Yxy	35.5015, 0.1969, 0.2243
Android (android.graphics.Color)	4279610101 (0xFF15AAF5)
YUV	133.9990, 54.7235, -99.1001
Hunter-Lab	59.5831, -10.9047, -49.4373

Details

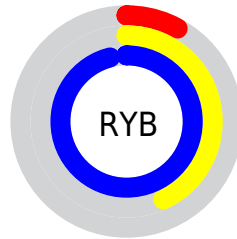
The XYZ color **31.1654, 35.5015, 91.5961** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle washed azure. A complement of this color would be **41.9785, 27.8395, 3.8724**, and the grayscale version is **22.4994, 23.6711, 25.7778**.

A 20% lighter version of the original color is **51.9146, 64.6478, 104.3498**, and **15.5555, 16.5877, 49.9588** is the 20% darker color. If you saturate the color by 10%, you get **29.5711, 32.7717, 91.1540**, and if you desaturate by 10%, it is **33.5491, 39.0858, 92.1631**.

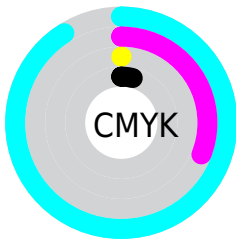
Distribution



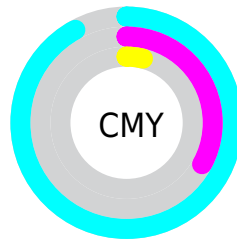
- Red (8%)
- Green (67%)
- Blue (96%)



- Red (8%)
- Yellow (43%)
- Blue (96%)



- Cyan (91%)
- Magenta (31%)
- Yellow (0%)
- Black (4%)



- Cyan (92%)
- Magenta (33%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1654, 35.5015, 91.5961 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 31.1654, 35.5015, 91.5961 by changing the saturation by 10% instead.

■ 31.1654, 35.5015,
91.5961

■ 31.1654, 35.5015,
91.5961

299.1129,
326.7764, 553.9128

■ 20.8773, 24.0494,
68.7240

■ 60.8745, 68.2619,
151.5083

■ 13.1463, 15.3703,
50.0166

■ 81.0261, 90.3391,
189.3855

■ 7.6070, 9.0797,
35.0554

■ 105.1963,
116.7268, 233.1016

■ 3.8942, 4.7932,
23.4216

■ 133.7504,
147.8094, 283.0750

■ 1.6425, 2.1264,
14.6969

■ 167.0537,
183.9712, 339.7243

■ 0.4198, 0.6794,
8.4627

205.4717,

■ 0.0000, 0.0000,

225.5967, 403.4680

4.3004

249.3696,
273.0703, 474.7247

■ 0.0000, 0.0000,
1.7916

■ 0.0000, 0.0000,
0.4224

■ 31.1654, 35.5015,
91.5961

■ 31.1654, 35.5015,
91.5961

■ 29.5711, 32.7717,
91.1540

■ 33.5491, 39.0858,
92.1631

■ 36.6557, 43.1873,
92.7910

■ 40.5821, 47.8589,
93.4858

■ 45.4080, 53.1440,
94.2515

■ 51.2030, 59.0810,
95.0921

■ 58.0295, 65.7041,
96.0106

■ 65.9442, 73.0449,
97.0104

■ 74.9996, 81.1326,
98.0942

■ 85.2446, 89.9946,
99.2648

Harmonies

Analogous

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



25.4886, 35.5015, 76.5667



31.1654, 35.5015, 91.5961



38.3958, 35.5015, 89.1528

Triad

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



31.1654, 35.5015, 91.5961



48.4928, 35.5015, 27.2512



24.4067, 35.5015, 18.1197

Complementary

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



31.1654, 35.5015, 91.5961



41.9785, 27.8395, 3.8724

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.



29.4823, 35.5015, 12.0890



31.1654, 35.5015, 91.5961



43.6113, 35.5015, 15.9278

Square

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



31.1654, 35.5015, 91.5961



49.1122, 35.5015, 46.7400



36.4592, 35.5015, 11.4611



21.9701, 35.5015, 31.5608

Rectangle

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



31.1654, 35.5015, 91.5961



43.1343, 35.5015, 78.1062



36.4592, 35.5015, 11.4611



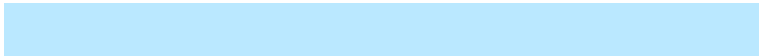
25.8247, 35.5015, 15.3969

Sweetspot

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



31.1667, 35.5027, 91.5970



67.1770, 75.3596, 105.6130



35.0600, 66.3041, 21.9424



13.7649, 15.5551, 22.5269



0.0000, 0.0000, 0.0000



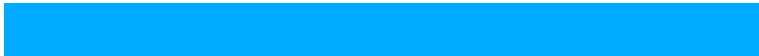
20.3446, 21.4041, 23.3091

Same Dimension

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



31.1667, 35.5027, 91.5970



32.3512, 35.8225, 99.8171



18.3232, 9.8156, 87.3158



16.5020, 17.7683, 21.1024



16.0632, 17.9201, 49.1503



1.5062, 1.7638, 4.3513

Inverse Universe

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



45.1813, 22.8527, 40.0609



48.4586, 24.1474, 39.9426



60.2687, 64.4198, 9.9691



16.9640, 16.6684, 19.5568



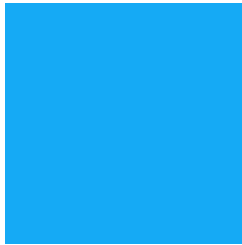
23.9125, 11.9084, 20.0452



2.1493, 1.0657, 2.0127

Previews

White Background



This preview shows how the XYZ color 31.1654, 35.5015, 91.5961 looks on a white background.

Color Contrast Check

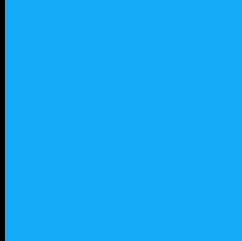
Large Text (above 18pt) WCAG AA × Fail

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 31.1654, 35.5015, 91.5961 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

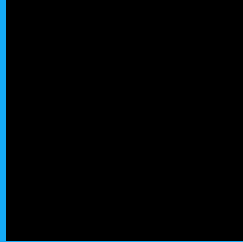
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

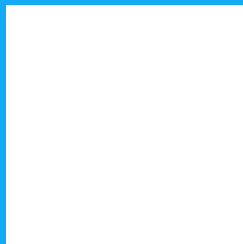
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.1654, 35.5015, 91.5961

Background



This preview shows how black text looks on a background with the XYZ color 31.1654, 35.5015, 91.5961.

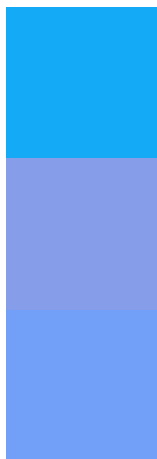


This preview shows how white text looks on a background with the XYZ color 31.1654, 35.5015,

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

31.1654, 35.5015, 91.5961

Protanopia

36.7398, 35.1228, 82.6849

Deuteranopia

36.2808, 35.1510, 93.6796



Tritanopia

25.1261, 35.2059, 54.7613

Trichromacy



Original Color

31.1654, 35.5015, 91.5961

Protanomaly

32.8671, 34.3409, 85.7851

Deuteranomaly

33.1940, 34.6153, 92.9276

Tritanomaly

26.9941, 35.0269, 66.9661

Monochromacy



Original Color

31.1654, 35.5015, 91.5961

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

22.5879, 26.2506, 43.9208

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1654, 35.5015, 91.5961 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(21, 170, 245)` looks like.

```
.text, #text, p{  
    color:rgb(21, 170, 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(21, 170, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 170, 245) }
```

Border

The CSS property to change the border of an element to XYZ 31.1654, 35.5015, 91.5961 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(21, 170, 245) }
```


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

```
.border{ border-color:rgb(21, 170, 245) }
```

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

Here you see how a box with a 4 pixel rgb(21, 170, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 170, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 170, 245);  
box-shadow:4px 4px 4px 4px rgb(21, 170,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1654, 35.5015, 91.5961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 170, 245) }
```

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

```
.background{ background-color: rgb(21, 170,  
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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