

Converting Colors

XYZ(31.4135, 30.6355, 83.6145)

Have a look what the booklet for
XYZ(31.4135, 30.6355, 83.6145)
contains.

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Color

**XYZ(31.4135, 30.6355,
83.6145)**

Conversions

Conversions Part 1

Format	Color
Hex	6596EC
RGB	101, 150, 236
RGB Percent	40%, 59%, 93%
CMY	0.6039, 0.4118, 0.0745
CMYK	0.57, 0.36, 0.00, 0.07
HSL	218°, 78%, 66%
HSV	218°, 57%, 93%
XYZ	31.4135, 30.6355, 83.6145
YIQ	145.1530, -56.8100, 16.3580

Conversions

Conversions Part 2

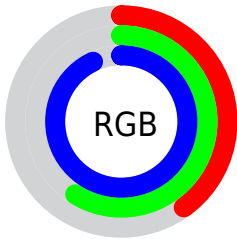
Format	Color
RYB	101, 137, 236
Decimal	6657772
CIELab	62.20, 8.63, -48.32
CIELCh	62, 49.089, 280.130
Yxy	30.6355, 0.2157, 0.2103
Android (android.graphics.Color)	4284847852 (0xFF6596EC)
YUV	145.1530, 44.7876, -38.7222
Hunter-Lab	55.3493, 4.4463, -50.8230

Details

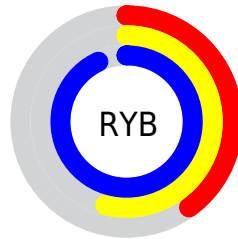
The XYZ color **31.4135, 30.6355, 83.6145** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **54.7133, 54.3159, 19.9140**, and the grayscale version is **26.8172, 28.2138, 30.7248**.

A 20% lighter version of the original color is **54.1401, 57.8793, 102.9261**, and **13.3605, 12.7009, 44.9274** is the 20% darker color. If you saturate the color by 10%, you get **26.8933, 24.9697, 82.7598**, and if you desaturate by 10%, it is **37.0023, 37.3100, 84.6089**.

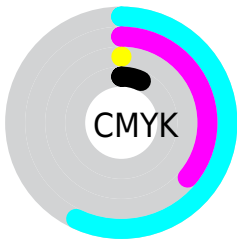
Distribution



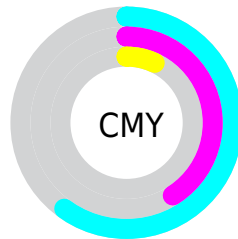
- Red (40%)
- Green (59%)
- Blue (93%)



- Red (40%)
- Yellow (54%)
- Blue (93%)



- Cyan (57%)
- Magenta (36%)
- Yellow (0%)
- Black (7%)



- Cyan (60%)
- Magenta (41%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.4135, 30.6355, 83.6145 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 31.4135, 30.6355, 83.6145 by changing the saturation by 10% instead.

■ 31.4135, 30.6355,
83.6145

■ 31.4135, 30.6355,
83.6145

300.2318,
304.8555, 527.0568

■ 21.0673, 20.3215,
62.1537

■ 61.2619, 60.6657,
140.2927

■ 13.2859, 12.6289,
44.7203

■ 81.4949, 81.1507,
176.3472

■ 7.7041, 7.1735,
30.8958

■ 105.7541,
105.7948, 218.1032

■ 3.9564, 3.5709,
20.2617

■ 134.4049,
134.9824, 265.9795

■ 1.6775, 1.4365,
12.3995

167.8127,
169.0979, 320.3944

■ 0.4421, 0.2434,
6.8905

206.3429,

■ 0.0000, 0.0000,

208.5256, 381.7665

3.3163

250.3608,
253.6500, 450.5145

■ 0.0000, 0.0000,
1.2583

■ 0.0000, 0.0000,
0.0273

■ 31.4135, 30.6355,
83.6145

■ 31.4135, 30.6355,
83.6145

■ 26.8933, 24.9697,
82.7598

■ 37.0023, 37.3100,
84.6089

■ 23.3598, 20.2518,
82.0354

■ 43.7263, 45.0426,
85.7470

■ 20.7231, 16.4177,
81.4343

■ 51.6502, 53.8826,
87.0357

■ 18.8678, 13.3881,
80.9473

■ 60.8328, 63.8751,
88.4805

■ 18.4407, 12.6567,
80.8286

■ 71.3286, 75.0625,
90.0866

■ 83.1891, 87.4848,
91.8593

■ 92.1405, 98.8362,
93.5785

Harmonies

Analogous

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



25.0046, 30.6355, 80.6947



31.4135, 30.6355, 83.6145



38.1115, 30.6355, 69.6886

Triad

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



31.4135, 30.6355, 83.6145



39.9684, 30.6355, 14.9534



18.7175, 30.6355, 22.4425

Complementary

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



31.4135, 30.6355, 83.6145



54.7133, 54.3159, 19.9140

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.



21.6641, 30.6355, 12.5348



31.4135, 30.6355, 83.6145



33.6597, 30.6355, 9.4851

Square

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



31.4135, 30.6355, 83.6145



43.5230, 30.6355, 27.3502



26.9374, 30.6355, 8.8095



18.3042, 30.6355, 40.1842

Rectangle

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



31.4135, 30.6355, 83.6145



41.6019, 30.6355, 54.9917



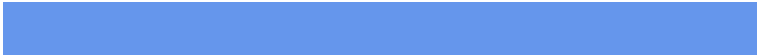
26.9374, 30.6355, 8.8095



19.4208, 30.6355, 18.3026

Sweetspot

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



31.4147, 30.6365, 83.6153



72.6747, 76.3133, 105.5073



44.2798, 66.3251, 57.2035



15.0552, 15.7948, 22.5051



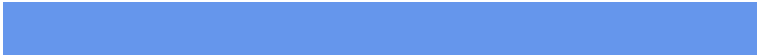
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



31.4147, 30.6365, 83.6153



31.0875, 28.5022, 98.4707



27.4034, 19.2872, 81.6361



14.6788, 15.4439, 19.1296



10.2770, 7.2009, 44.5912



0.8956, 0.7428, 3.5310

Inverse Universe

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



44.7519, 29.3438, 32.1602



48.9907, 28.8396, 28.9352



61.2590, 75.8368, 23.7230



15.2914, 15.1444, 16.8198



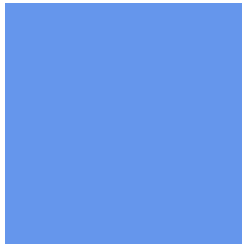
20.0426, 10.2197, 6.0259



1.6186, 0.8204, 0.7088

Previews

White Background



This preview shows how the XYZ color 31.4135, 30.6355, 83.6145 looks on a white background.

Color Contrast Check

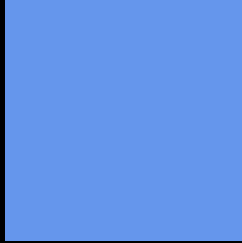
Large Text (above 18pt) WCAG AA × Fail

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 31.4135, 30.6355, 83.6145 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

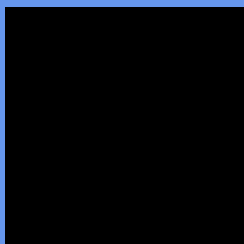
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

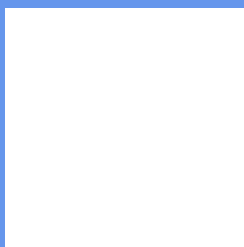
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.4135, 30.6355, 83.6145

Background



This preview shows how black text looks on a background with the XYZ color 31.4135, 30.6355, 83.6145.



This preview shows how white text looks on a background with the XYZ color 31.4135, 30.6355,

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

31.4135, 30.6355, 83.6145

Protanopia

32.6129, 30.6022, 81.2787

Deuteranopia

31.5262, 30.6936, 83.6197



Tritanopia

23.8174, 30.5530, 45.7163

Trichromacy



Original Color

31.4135, 30.6355, 83.6145

Protanomaly

32.1233, 30.5651, 82.0485

Deuteranomaly

31.5262, 30.6936, 83.6197

Tritanomaly

26.2577, 30.5094, 57.9311

Monochromacy



Original Color

31.4135, 30.6355, 83.6145

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

27.5229, 28.7489, 46.2180

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4135, 30.6355, 83.6145 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(101, 150, 236)` looks like.

```
.text, #text, p{  
    color:rgb(101, 150, 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(101, 150, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 150, 236) }
```

Border

The CSS property to change the border of an element to XYZ 31.4135, 30.6355, 83.6145 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(101, 150, 236) }
```


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

```
.border{ border-color:rgb(101, 150, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 150, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(101, 150, 236); -webkit-box-shadow:4px 4px 4px 4px rgb(101, 150, 236); box-shadow:4px 4px 4px 4px rgb(101, 150, 236) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4135, 30.6355, 83.6145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 150, 236) }
```

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

```
.background{ background-color: rgb(101,  
150, 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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