

Converting Colors

XYZ(30.1553, 29.7648, 98.7636)

Have a look what the booklet for
XYZ(30.1553, 29.7648, 98.7636)
contains.

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Color

**XYZ(30.0831, 29.6135,
98.7382)**

Conversions

Conversions Part 1

Format	Color
Hex	2E96FF
RGB	46, 150, 255
RGB Percent	18%, 59%, 100%
CMY	0.8195, 0.4118, 0.0000
CMYK	0.82, 0.41, 0.00, 0.00
HSL	210°, 100%, 59%
HSV	210°, 82%, 100%
XYZ	30.0831, 29.6135, 98.7382
YIQ	130.8740, -95.6890, 10.6070

Conversions

Conversions Part 2

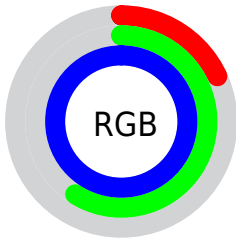
Format	Color
R _Y B	46, 115, 255
Decimal	3053311
CIE Lab	61.32, 7.47, -60.28
CIE LCh	61, 60.737, 277.068
Yxy	29.6135, 0.1899, 0.1869
Android (android.graphics.Color)	4281243391 (0xFF2E96FF)
YUV	130.8740, 61.1941, -74.4345
Hunter-Lab	54.4183, 3.4450, -69.4848

Details

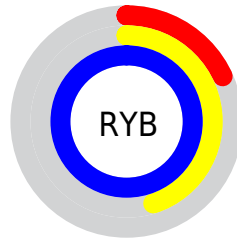
The XYZ color **30.0831, 29.6135, 98.7382** is a dark color, and the websafe version is hex **3399FF**. The color can be described as middle washed azure. A complement of this color would be **52.8037, 43.5976, 8.2192**, and the grayscale version is **21.3444, 22.4559, 24.4545**.

A 20% lighter version of the original color is **48.1003, 54.7657, 102.6434**, and **14.7502, 13.1916, 55.1949** is the 20% darker color. If you saturate the color by 10%, you get **27.3217, 25.3193, 98.0548**, and if you desaturate by 10%, it is **33.7511, 34.7075, 99.5281**.

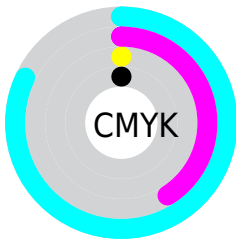
Distribution



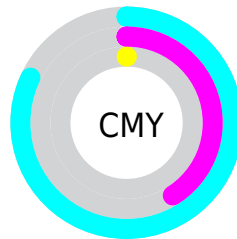
- Red (18%)
- Green (59%)
- Blue (100%)



- Red (18%)
- Yellow (45%)
- Blue (100%)



- Cyan (82%)
- Magenta (41%)
- Yellow (0%)
- Black (0%)



- Cyan (82%)
- Magenta (41%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.0831, 29.6135, 98.7382 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 30.0831, 29.6135, 98.7382 by changing the saturation by 10% instead.

■ 30.0831, 29.6135,
98.7382

■ 30.0831, 29.6135,
98.7382

294.1945,
300.0987, 577.3517

■ 20.0501, 19.5454,
74.6362

■ 59.1793, 59.0504,
161.4588

■ 12.5399, 12.0650,
54.8149

■ 78.9732, 79.1880,
200.9145

■ 7.1873, 6.7880,
38.8560

■ 102.7513,
103.4509, 246.3251

■ 3.6269, 3.3299,
26.3407

■ 130.8792,
132.2235, 298.1093

■ 1.4933, 1.3063,
16.8507

■ 163.7221,
165.8902, 356.6855

■ 0.3213, 0.1461,
9.9673

201.6454,

■ 0.0000, 0.0000,

204.8354, 422.4722

5.2719

245.0144,
249.4434, 495.8881

■ 0.0000, 0.0000,
2.3462

■ 0.0000, 0.0000,
0.7569

■ 30.0831, 29.6135,
98.7382

■ 30.0831, 29.6135,
98.7382

■ 27.3217, 25.3193,
98.0548

■ 33.7511, 34.7075,
99.5281

■ 25.6235, 22.3670,
97.5745

■ 38.4342, 40.6666,
100.4315

■ 44.2271, 47.5496,
101.4547

■ 51.2118, 55.4080,
102.6034

■ 59.4617, 64.2886,
103.8827

■ 69.0440, 74.2348,
105.2975

■ 80.0207, 85.2869,
106.8522

■ 92.4498, 97.4829,
108.5512

■ 95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



22.5664, 29.6135, 92.2471



30.0831, 29.6135, 98.7382



38.4788, 29.6135, 81.7441

Triad

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



30.0831, 29.6135, 98.7382



42.2979, 29.6135, 12.3065



16.2198, 29.6135, 17.9399

Complementary

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



30.0831, 29.6135, 98.7382



52.8037, 43.5976, 8.2192

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.



19.8526, 29.6135, 8.3130



30.0831, 29.6135, 98.7382



34.5787, 29.6135, 6.3040

Square

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



30.0831, 29.6135, 98.7382



46.3472, 29.6135, 27.1194



26.2953, 29.6135, 5.3019



15.4704, 29.6135, 37.9768

Rectangle

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



30.0831, 29.6135, 98.7382



43.1393, 29.6135, 62.6283



26.2953, 29.6135, 5.3019



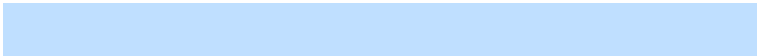
17.1056, 29.6135, 13.7290

Sweetspot

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



30.0842, 29.6143, 98.7383



65.9783, 71.0878, 104.8516



42.4340, 74.3199, 41.1792



13.3996, 14.4662, 22.3360



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.



30.0842, 29.6143, 98.7383



26.0221, 23.0695, 97.6891



20.1556, 9.7571, 95.4287



17.7496, 18.8709, 22.9569



13.5380, 11.9855, 51.0345



1.4273, 1.3853, 5.0054

Inverse Universe

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



47.7230, 25.4178, 31.2454



45.2871, 22.9674, 22.9687



77.4936, 92.9774, 16.4492



18.3863, 18.1378, 20.6512



23.6215, 11.9379, 11.9234



2.3550, 1.1844, 1.4511

Previews

White Background



This preview shows how the XYZ color 30.0831, 29.6135, 98.7382 looks on a white background.

Color Contrast Check

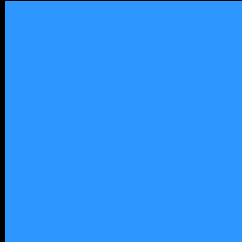
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.0831, 29.6135, 98.7382 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 × Fail

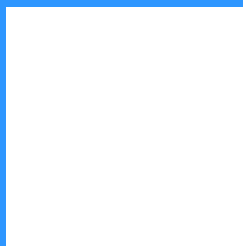
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.0831, 29.6135, 98.7382

Background



This preview shows how black text looks on a background with the XYZ color 30.0831, 29.6135, 98.7382.



This preview shows how white text looks on a background with the XYZ color 30.0831, 29.6135,

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

30.0831, 29.6135, 98.7382

Protanopia

32.4008, 29.3093, 93.5721

Deuteranopia

30.6609, 29.6756, 98.7197



Tritanopia

20.8351, 29.2895, 45.1128

Trichromacy



Original Color

30.0831, 29.6135, 98.7382

Protanomaly

31.1711, 29.3166, 95.2826

Deuteranomaly

30.3730, 29.5271, 98.7062

Tritanomaly

23.3571, 28.9325, 61.4802

Monochromacy



Original Color

30.0831, 29.6135, 98.7382

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

22.1805, 24.0209, 44.5418

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.0831, 29.6135, 98.7382 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(46, 150, 255)` looks like.

```
.text, #text, p{  
    color:rgb(46, 150, 255)  
}
```

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(46, 150, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 150, 255) }
```

Border

The CSS property to change the border of an element to XYZ 30.0831, 29.6135, 98.7382 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(46, 150, 255) }
```


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

```
.border{ border-color:rgb(46, 150, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 150, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 150, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 150, 255);  
box-shadow:4px 4px 4px 4px rgb(46, 150,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 30.0831, 29.6135, 98.7382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 150, 255) }
```

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

```
.background{ background-color: rgb(46, 150,  
255) }
```

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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