

Converting Colors

XYZ(30.0647, 27.3482, 98.3019)

Have a look what the booklet for
XYZ(30.0647, 27.3482, 98.3019)
contains.

XYZ(30.0266, 27.3158, 98.2976)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(30.0266, 27.3158,
98.2976)**

Conversions

Conversions Part 1

Format	Color
Hex	478CFF
RGB	71, 140, 255
RGB Percent	28%, 55%, 100%
CMY	0.7215, 0.4510, 0.0000
CMYK	0.72, 0.45, 0.00, 0.00
HSL	218°, 100%, 64%
HSV	218°, 72%, 100%
XYZ	30.0266, 27.3158, 98.2976
YIQ	132.4790, -78.0390, 21.1370

Conversions

Conversions Part 2

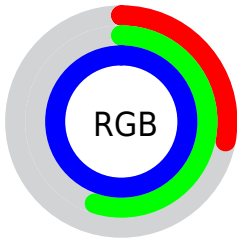
Format	Color
R_{YB}	71, 121, 255
Decimal	4689151
CIE _{Lab}	59.27, 16.11, -63.53
CIE _{LCh}	59, 65.540, 284.232
Yxy	27.3158, 0.1929, 0.1755
Android (android.graphics.Color)	4282879231 (0xFF478CFF)
YUV	132.4790, 60.4029, -53.9171
Hunter-Lab	52.2645, 11.0875, -74.9258

Details

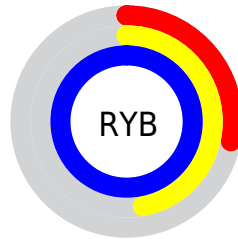
The XYZ color **30.0266, 27.3158, 98.2976** is a light color, and the websafe version is hex **6699FF**. The color can be described as light washed azure. A complement of this color would be **59.9389, 56.8375, 13.7749**, and the grayscale version is **21.9154, 23.0567, 25.1087**.

A 20% lighter version of the original color is **47.9352, 50.9354, 101.9128**, and **13.8191, 11.5134, 54.3173** is the 20% darker color. If you saturate the color by 10%, you get **26.3704, 22.2206, 97.5069**, and if you desaturate by 10%, it is **34.8063, 33.4913, 99.2377**.

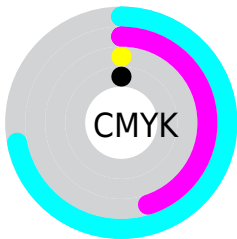
Distribution



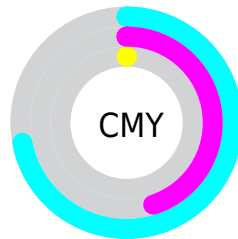
- Red (28%)
- Green (55%)
- Blue (100%)



- Red (28%)
- Yellow (47%)
- Blue (100%)



- Cyan (72%)
- Magenta (45%)
- Yellow (0%)
- Black (0%)



- Cyan (72%)
- Magenta (45%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.0266, 27.3158, 98.2976 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 30.0266, 27.3158, 98.2976 by changing the saturation by 10% instead.

■ 30.0266, 27.3158,
98.2976

■ 30.0266, 27.3158,
98.2976

293.9360,
289.1829, 575.9207

■ 20.0070, 17.8105,
74.2706

■ 59.0906, 55.3902,
160.8471

■ 12.5084, 10.8141,
54.5174

■ 78.8656, 74.7282,
200.2068

■ 7.1656, 5.9419,
38.6195

■ 102.6232, 98.1124,
245.5144

■ 3.6131, 2.8098,
26.1583

■ 130.7286,
125.9275, 297.1885

■ 1.4857, 1.0333,
16.7153

163.5472,
158.5576, 355.6476

■ 0.3161, 0.0000,
9.8719

201.4444,

■ 0.0000, 0.0000,

196.3873, 421.3103

5.2096

244.7856,
239.8010, 494.5952

■ 0.0000, 0.0000,
2.3099

■ 0.0000, 0.0000,
0.7367

■ 30.0266, 27.3158,
98.2976

■ 30.0266, 27.3158,
98.2976

■ 26.3704, 22.2206,
97.5069

■ 34.8063, 33.4913,
99.2377

■ 23.7144, 18.1202,
96.8554

■ 40.8071, 40.8171,
100.3355

■ 22.1979, 15.5159,
96.4326

■ 48.1187, 49.3585,
101.5988

■ 56.8209, 59.1749,
103.0349

■ 66.9867, 70.3210,
104.6505

■ 78.6837, 82.8482,
106.4520

■ 91.9752, 96.8050,
108.4454

■ 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.



21.9173, 27.3158, 97.6054



30.0266, 27.3158, 98.2976



38.5586, 27.3158, 75.1266

Triad

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



30.0266, 27.3158, 98.2976



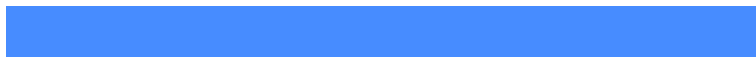
38.9483, 27.3158, 8.0813



13.5731, 27.3158, 19.1000

Complementary

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



30.0266, 27.3158, 98.2976



59.9389, 56.8375, 13.7749

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.



16.4607, 27.3158, 7.7281



30.0266, 27.3158, 98.2976



30.4779, 27.3158, 4.0377

Square

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



30.0266, 27.3158, 98.2976



44.3968, 27.3158, 19.9820



22.2834, 27.3158, 3.9557



13.5024, 27.3158, 42.2537

Rectangle

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



30.0266, 27.3158, 98.2976



42.8678, 27.3158, 53.9494



22.2834, 27.3158, 3.9557



14.2141, 27.3158, 14.1380

Sweetspot

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



30.0277, 27.3166, 98.2977



67.1529, 70.5010, 104.6765



47.0607, 76.3405, 57.8617



13.7503, 14.4132, 22.3073



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.



30.0277, 27.3166, 98.2977



24.9662, 20.1142, 97.1743



24.7655, 14.0280, 96.0101



17.5610, 18.4936, 22.8940



11.7303, 8.3702, 50.4319



1.2430, 1.0166, 4.9440

Inverse Universe

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



48.2277, 27.6615, 27.6087



44.9600, 23.6248, 18.8161



70.6768, 89.3889, 19.4920



18.2911, 18.0997, 20.1499



22.7091, 11.5729, 7.1187



2.2620, 1.1472, 0.9611

Previews

White Background



This preview shows how the XYZ color 30.0266, 27.3158, 98.2976 looks on a white background.

Color Contrast Check

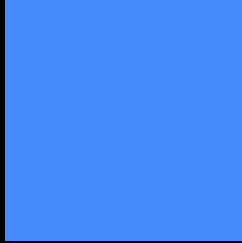
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.0266, 27.3158, 98.2976 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

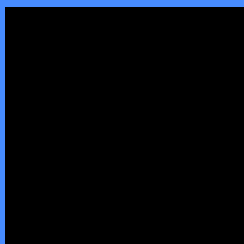
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

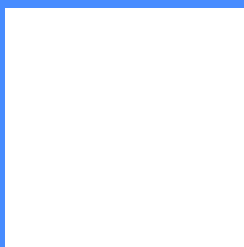
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.0266, 27.3158, 98.2976

Background



This preview shows how black text looks on a background with the XYZ color 30.0266, 27.3158, 98.2976.



This preview shows how white text looks on a background with the XYZ color 30.0266, 27.3158,

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

30.0266, 27.3158, 98.2976

Protanopia

30.7486, 27.2950, 96.5764

Deuteranopia

28.3415, 27.3492, 97.5511



Tritanopia

19.2184, 26.9785, 41.7306

Trichromacy



Original Color

30.0266, 27.3158, 98.2976

Protanomaly

30.5154, 27.3703, 97.4406

Deuteranomaly

28.7506, 27.3362, 97.5270

Tritanomaly

21.9179, 26.5230, 58.6078

Monochromacy



Original Color

30.0266, 27.3158, 98.2976

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

23.0302, 23.8173, 44.9783

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.0266, 27.3158, 98.2976 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(71, 140, 255)` looks like.

```
.text, #text, p{  
    color:rgb(71, 140, 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(71, 140, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 140, 255) }
```

Border

The CSS property to change the border of an element to XYZ 30.0266, 27.3158, 98.2976 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(71, 140, 255) }
```


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

```
.border{ border-color:rgb(71, 140, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 140, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 140, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 140, 255);  
box-shadow:4px 4px 4px 4px rgb(71, 140,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 30.0266, 27.3158, 98.2976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 140, 255) }
```

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

```
.background{ background-color: rgb(71, 140,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor