

Converting Colors

XYZ(29.2929, 27.0590, 98.2868)

Have a look what the booklet for
XYZ(29.2929, 27.0590, 98.2868)
contains.

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Color

**XYZ(29.3785, 27.1996,
98.3094)**

Conversions

Conversions Part 1

Format	Color
Hex	3B8DFF
RGB	59, 141, 255
RGB Percent	23%, 55%, 100%
CMY	0.7686, 0.4471, 0.0000
CMYK	0.77, 0.45, 0.00, 0.00
HSL	215°, 100%, 62%
HSV	215°, 77%, 100%
XYZ	29.3785, 27.1996, 98.3094
YIQ	129.4780, -85.4660, 18.0700

Conversions

Conversions Part 2

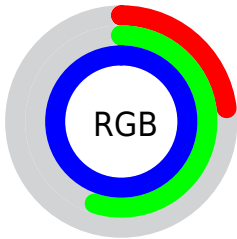
Format	Color
R _Y B	59, 117, 255
Decimal	3902975
CIE Lab	59.16, 14.11, -63.72
CIE LCh	59, 65.263, 282.482
Yxy	27.1996, 0.1897, 0.1756
Android (android.graphics.Color)	4282093055 (0xFF3B8DFF)
YUV	129.4780, 61.8823, -61.8092
Hunter-Lab	52.1532, 9.2829, -75.2550

Details

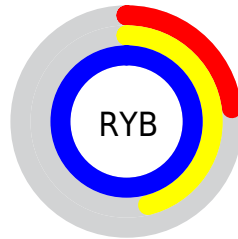
The XYZ color **29.3785, 27.1996, 98.3094** is a dark color, and the websafe version is hex **6699FF**. The color can be described as middle washed azure. A complement of this color would be **56.9761, 51.4684, 11.0712**, and the grayscale version is **20.8468, 21.9324, 23.8844**.

A 20% lighter version of the original color is **46.8575, 50.7091, 101.9259**, and **13.9052, 11.6855, 54.3460** is the 20% darker color. If you saturate the color by 10%, you get **26.1762, 22.5167, 97.5743**, and if you desaturate by 10%, it is **33.6130, 32.8498, 99.1768**.

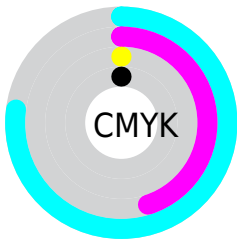
Distribution



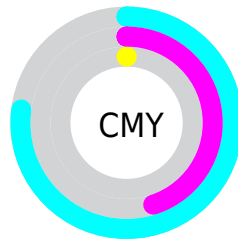
- Red (23%)
- Green (55%)
- Blue (100%)



- Red (23%)
- Yellow (46%)
- Blue (100%)



- Cyan (77%)
- Magenta (45%)
- Yellow (0%)
- Black (0%)



- Cyan (77%)
- Magenta (45%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.3785, 27.1996, 98.3094 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 29.3785, 27.1996, 98.3094 by changing the saturation by 10% instead.

■ 29.3785, 27.1996,
98.3094

■ 29.3785, 27.1996,
98.3094

290.9587,
288.6223, 575.9590

■ 19.5131, 17.7232,
74.2804

■ 58.0713, 55.2040,
160.8635

■ 12.1478, 10.7514,
54.5254

■ 77.6294, 74.5008,
200.2257

■ 6.9173, 5.8999,
38.6258

■ 101.1491, 97.8398,
245.5361

■ 3.4563, 2.7843,
26.1632

■ 128.9957,
125.6054, 297.2131

■ 1.3994, 1.0202,
16.7189

161.5346,
158.1821, 355.6754

■ 0.2558, 0.0000,
9.8744

199.1312,

■ 0.0000, 0.0000,

195.9542, 421.3415

5.2113

242.1508,
239.3061, 494.6298

■ 0.0000, 0.0000,
2.3109

■ 0.0000, 0.0000,
0.7373

■ 29.3785, 27.1996,
98.3094

■ 29.3785, 27.1996,
98.3094

■ 26.1762, 22.5167,
97.5743

■ 33.6130, 32.8498,
99.1768

■ 23.8715, 18.7140,
96.9617

■ 38.9823, 39.5359,
100.1843

■ 23.2737, 17.6675,
96.7912

■ 45.5783, 47.3208,
101.3393

■ 53.4822, 56.2610,
102.6484

■ 62.7674, 66.4083,
104.1176

■ 73.5017, 77.8112,
105.7529

■ 85.7482, 90.5150,
107.5595

■ 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.



21.4289, 27.1996, 96.0623



29.3785, 27.1996, 98.3094



37.9051, 27.1996, 76.3906

Triad

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



29.3785, 27.1996, 98.3094



39.1718, 27.1996, 8.5092



13.6319, 27.1996, 18.0855

Complementary

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



29.3785, 27.1996, 98.3094



56.9761, 51.4684, 11.0712

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.



16.6710, 27.1996, 7.3552



29.3785, 27.1996, 98.3094



30.8463, 27.1996, 4.1575

Square

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



29.3785, 27.1996, 98.3094



44.3046, 27.1996, 20.9590



22.6204, 27.1996, 3.8887



13.4013, 27.1996, 40.3779

Rectangle

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



29.3785, 27.1996, 98.3094



42.3321, 27.1996, 55.4738



22.6204, 27.1996, 3.8887



14.3240, 27.1996, 13.3792

Sweetspot

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



29.3796, 27.2004, 98.3095



66.7322, 70.6549, 104.7283



44.8272, 75.3553, 50.2489



13.4872, 14.2705, 22.2936



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.



29.3796, 27.2004, 98.3095



24.8889, 20.4573, 97.2446



22.2933, 11.7303, 95.6969



17.6274, 18.6264, 22.9161



12.3006, 9.5107, 50.6220



1.3027, 1.1361, 4.9639

Inverse Universe

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



47.6125, 26.3126, 27.7691



44.7995, 23.0954, 19.4049



73.1452, 90.7016, 17.7917



18.3246, 18.1131, 20.3263



22.9970, 11.6881, 8.6344



2.2921, 1.1592, 1.1199

Previews

White Background



This preview shows how the XYZ color 29.3785, 27.1996, 98.3094 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 29.3785, 27.1996, 98.3094 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

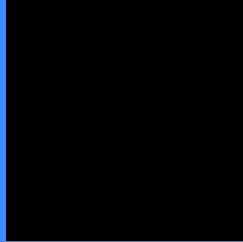
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

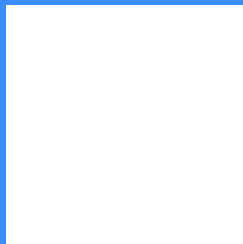
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.3785, 27.1996, 98.3094

Background



This preview shows how black text looks on a background with the XYZ color 29.3785, 27.1996, 98.3094.



This preview shows how white text looks on a background with the XYZ color 29.3785, 27.1996,

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

29.3785, 27.1996, 98.3094

Protanopia

30.6837, 27.2799, 95.7438

Deuteranopia

28.1719, 27.2617, 97.5431

Trichromacy



Original Color

29.3785, 27.1996, 98.3094

Protanomaly

30.0228, 27.1349, 96.5837

Deuteranomaly

28.4050, 27.1580, 97.5108

Monochromacy



Original Color

29.3785, 27.1996, 98.3094

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

21.8343, 22.8133, 43.8100

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.3785, 27.1996, 98.3094 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(59, 141, 255)` looks like.

```
.text, #text, p{  
    color:rgb(59, 141, 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(59, 141, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 141, 255) }
```

Border

The CSS property to change the border of an element to XYZ 29.3785, 27.1996, 98.3094 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(59, 141, 255) }
```

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

```
.border{ border-color:rgb(59, 141, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 141, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 141, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 141, 255);  
box-shadow:4px 4px 4px 4px rgb(59, 141,  
255) }
```


Background

The CSS property to change the background color of an element to XYZ 29.3785, 27.1996, 98.3094 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 141, 255) }
```

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

```
.background{ background-color: rgb(59, 141,  
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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