

Converting Colors

XYZ(29.6449, 28.7276, 98.5903)

Have a look what the booklet for
XYZ(29.6449, 28.7276, 98.5903)
contains.

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Color

**XYZ(29.6104, 28.6683,
98.5806)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 2E93FF |
| RGB | 46, 147, 255 |
| RGB Percent | 18%, 58%, 100% |
| CMY | 0.8195, 0.4235, 0.0000 |
| CMYK | 0.82, 0.42, 0.00, 0.00 |
| HSL | 211°, 100%, 59% |
| HSV | 211°, 82%, 100% |
| XYZ | 29.6104, 28.6683, 98.5806 |
| YIQ | 129.1130, -94.8640, 12.1760 |

Conversions

Conversions Part 2

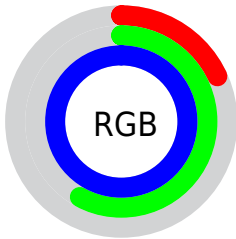
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 46, 114, 255 |
| Decimal | 3052543 |
| CIE Lab | 60.49, 9.26, -61.61 |
| CIE LCh | 60, 62.299, 278.551 |
| Yxy | 28.6683, 0.1888, 0.1828 |
| Android (android.graphics.Color) | 4281242623 (0xFF2E93FF) |
| YUV | 129.1130, 62.0623, -72.8901 |
| Hunter-Lab | 53.5428, 5.0148, -71.6822 |

Details

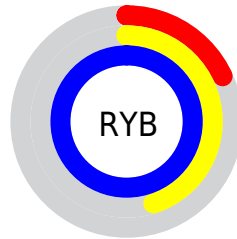
The XYZ color **29.6104, 28.6683, 98.5806** is a dark color, and the websafe version is hex **3399FF**. The color can be described as middle washed azure. A complement of this color would be **53.2922, 44.5748, 8.3818**, and the grayscale version is **20.7215, 21.8007, 23.7409**.

A 20% lighter version of the original color is **47.1617, 52.8885, 102.3306**, and **14.4677, 12.6266, 55.1007** is the 20% darker color. If you saturate the color by 10%, you get **26.8498, 24.3755, 97.8976**, and if you desaturate by 10%, it is **33.2887, 33.7832, 99.3740**.

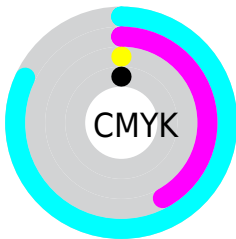
Distribution



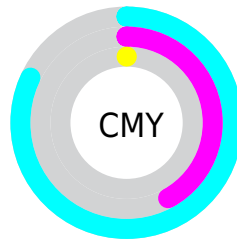
- Red (18%)
- Green (58%)
- Blue (100%)



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



- Cyan (82%)
- Magenta (42%)
- Yellow (0%)
- Black (0%)



- Cyan (82%)
- Magenta (42%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.6104, 28.6683, 98.5806 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 29.6104, 28.6683, 98.5806 by changing the saturation by 10% instead.

■ 29.6104, 28.6683,
98.5806

■ 29.6104, 28.6683,
98.5806

292.0267,
295.6467, 576.8401

■ 19.6897, 18.8300,
74.5054

■ 58.4364, 57.5497,
161.2401

■ 12.2766, 11.5475,
54.7085

■ 78.0723, 77.3616,
200.6614

■ 7.0059, 6.4364,
38.7714

■ 101.6774,
101.2668, 246.0352

■ 3.5121, 3.1122,
26.2754

■ 129.6169,
129.6497, 297.7800

■ 1.4300, 1.1906,
16.8022

■ 162.2562,
162.8948, 356.3144

■ 0.2775, 0.0540,
9.9331

199.9607,

■ 0.0000, 0.0000,

201.3864, 422.0568

5.2496

243.0958,
245.5089, 495.4258

■ 0.0000, 0.0000,
2.3332

■ 0.0000, 0.0000,
0.7497

■ 29.6104, 28.6683,
98.5806

■ 29.6104, 28.6683,
98.5806

■ 26.8498, 24.3755,
97.8976

■ 33.2887, 33.7832,
99.3740

■ 25.1601, 21.4402,
97.4200

■ 37.9941, 39.7869,
100.2849

■ 43.8218, 46.7396,
101.3197

■ 50.8544, 54.6938,
102.4844

■ 59.1658, 63.6978,
103.7843

■ 68.8239, 73.7957,
105.2243

■ 79.8911, 85.0289,
106.8093

■ 92.4259, 97.4366,
108.5435

■ 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.



21.9813, 28.6683, 93.1475



29.6104, 28.6683, 98.5806



38.0533, 28.6683, 80.1673

Triad

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



29.6104, 28.6683, 98.5806



41.2017, 28.6683, 10.9651



15.2516, 28.6683, 17.6719

Complementary

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



29.6104, 28.6683, 98.5806



53.2922, 44.5748, 8.3818

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.



18.7108, 28.6683, 7.8258



29.6104, 28.6683, 98.5806



33.2960, 28.6683, 5.4909

Square

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



29.6104, 28.6683, 98.5806



45.5556, 28.6683, 25.0880



25.0154, 28.6683, 4.7224



14.6498, 28.6683, 38.2660

Rectangle

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



29.6104, 28.6683, 98.5806



42.6647, 28.6683, 60.4517



25.0154, 28.6683, 4.7224



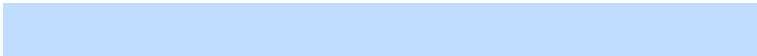
16.0807, 28.6683, 13.3555

Sweetspot

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



29.6115, 28.6691, 98.5807



65.7346, 70.6004, 104.7704



42.7198, 74.4342, 42.6844



13.3417, 14.3505, 22.3167



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.



29.6115, 28.6691, 98.5807



25.5561, 22.1374, 97.5337



20.3188, 9.8411, 95.4363



17.7274, 18.8264, 22.9495



13.2946, 11.4988, 50.9534



1.4032, 1.3371, 4.9974

Inverse Universe

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



47.4843, 25.3222, 29.9892



45.0518, 22.8733, 21.7299



76.2237, 92.3228, 16.3895



18.3750, 18.1333, 20.5921



23.4987, 11.8888, 11.2766



2.3429, 1.1795, 1.3871

Previews

White Background



This preview shows how the XYZ color 29.6104, 28.6683, 98.5806 looks on a white background.

Color Contrast Check

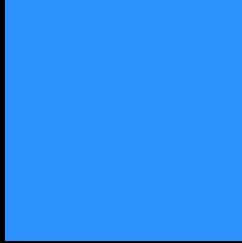
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.6104, 28.6683, 98.5806 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

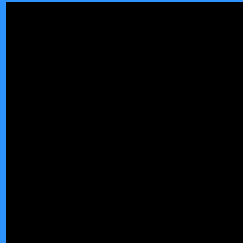
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

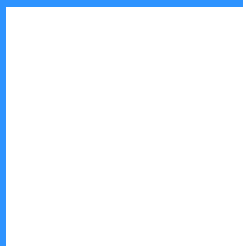
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.6104, 28.6683, 98.5806

Background



This preview shows how black text looks on a background with the XYZ color 29.6104, 28.6683, 98.5806.



This preview shows how white text looks on a background with the XYZ color 29.6104, 28.6683,

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

29.6104, 28.6683, 98.5806

Protanopia

31.5535, 28.4307, 93.4472

Deuteranopia

29.7026, 28.7158, 98.5850



Tritanopia

20.1913, 28.4683, 43.4605

Trichromacy



Original Color

29.6104, 28.6683, 98.5806

Protanomaly

30.3769, 28.2297, 95.1146

Deuteranomaly

29.6560, 28.6918, 98.5828

Tritanomaly

22.7803, 28.1604, 60.1120

Monochromacy



Original Color

29.6104, 28.6683, 98.5806

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

21.6876, 23.3561, 43.9226

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6104, 28.6683, 98.5806 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, 147, 255)` looks like.

```
.text, #text, p{  
    color:rgb(46, 147, 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, 147, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 147, 255) }
```

Border

The CSS property to change the border of an element to XYZ 29.6104, 28.6683, 98.5806 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, 147, 255) }
```


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

```
.border{ border-color:rgb(46, 147, 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, 147, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 147, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 147, 255);  
box-shadow:4px 4px 4px 4px rgb(46, 147,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6104, 28.6683, 98.5806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 147, 255) }
```

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

```
.background{ background-color: rgb(46, 147,  
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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