

Converting Colors

XYZ(28.7789, 31.6458, 88.5958)

Have a look what the booklet for
XYZ(28.7789, 31.6458, 88.5958)
contains.

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Color

**XYZ(28.7789, 31.6458,
88.5958)**

Conversions

Conversions Part 1

Format	Color
Hex	0EA0F2
RGB	14, 160, 242
RGB Percent	5%, 63%, 95%
CMY	0.9449, 0.3725, 0.0510
CMYK	0.94, 0.34, 0.00, 0.05
HSL	202°, 90%, 50%
HSV	202°, 94%, 95%
XYZ	28.7789, 31.6458, 88.5958
YIQ	125.6940, -113.3380, -5.4500

Conversions

Conversions Part 2

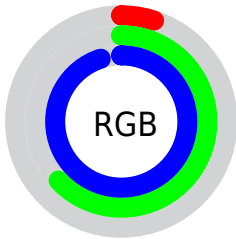
Format	Color
R _Y B	14, 103, 242
Decimal	958706
CIE Lab	63.05, -4.98, -50.42
CIE LCh	63, 50.670, 264.360
Yxy	31.6458, 0.1931, 0.2124
Android (android.graphics.Color)	4279148786 (0xFF0EA0F2)
YUV	125.6940, 57.3389, -97.9556
Hunter-Lab	56.2546, -7.1280, -53.9981

Details

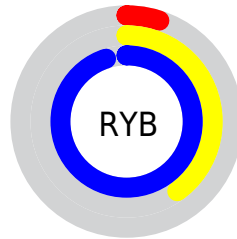
The XYZ color **28.7789, 31.6458, 88.5958** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **40.8854, 27.2844, 3.5288**, and the grayscale version is **19.5725, 20.5918, 22.4245**.

A 20% lighter version of the original color is **48.6521, 58.6926, 103.3723**, and **14.2256, 14.4401, 47.9364** is the 20% darker color. If you saturate the color by 10%, you get **27.7396, 29.8358, 88.3019**, and if you desaturate by 10%, it is **30.9693, 35.0948, 89.1468**.

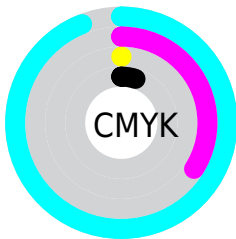
Distribution



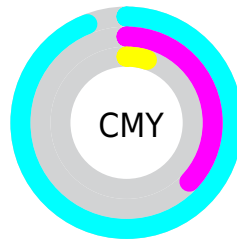
- Red (5%)
- Green (63%)
- Blue (95%)



- Red (5%)
- Yellow (40%)
- Blue (95%)



- Cyan (94%)
- Magenta (34%)
- Yellow (0%)
- Black (5%)



- Cyan (94%)
- Magenta (37%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.7789, 31.6458, 88.5958 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 28.7789, 31.6458, 88.5958 by changing the saturation by 10% instead.

■ 28.7789, 31.6458,
88.5958

■ 28.7789, 31.6458,
88.5958

288.1834,
309.5026, 543.9042

■ 19.0571, 21.0911,
66.2495

■ 57.1256, 62.2554,
147.3048

■ 11.8158, 13.1906,
48.0172

■ 76.4812, 83.0791,
184.5045

■ 6.6897, 7.5599,
33.4804

■ 99.7787, 108.0946,
227.4924

■ 3.3134, 3.8147,
22.2206

■ 127.3836,
137.6862, 276.6871

■ 1.3216, 1.5704,
13.8192

■ 159.6612,
172.2385, 332.5071

■ 0.1993, 0.3375,
7.8577

196.9767,

■ 0.0000, 0.0000,

212.1357, 395.3709

3.9176

239.6957,
257.7622, 465.6971

■ 0.0000, 0.0000,
1.5802

■ 0.0000, 0.0000,
0.2767

■ 28.7789, 31.6458,
88.5958

■ 28.7789, 31.6458,
88.5958

■ 27.7396, 29.8358,
88.3019

■ 30.9693, 35.0948,
89.1468

■ 33.8460, 39.0571,
89.7600

■ 37.5090, 43.5879,
90.4414

■ 42.0397, 48.7319,
91.1955

■ 47.5083, 54.5282,
92.0261

■ 53.9775, 61.0118,
92.9366

■ 61.5040, 68.2148,
93.9302

■ 70.1402, 76.1667,
95.0099

■ 79.9348, 84.8954,
96.1785

Harmonies

Analogous

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



22.9174, 31.6458, 76.0762



28.7789, 31.6458, 88.5958



35.9598, 31.6458, 82.6610

Triad

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



28.7789, 31.6458, 88.5958



44.0333, 31.6458, 20.9118



20.4378, 31.6458, 16.5647

Complementary

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



28.7789, 31.6458, 88.5958



40.8854, 27.2844, 3.5288

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.



24.8760, 31.6458, 9.9661



28.7789, 31.6458, 88.5958



38.5944, 31.6458, 11.7107

Square

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



28.7789, 31.6458, 88.5958



45.5060, 31.6458, 38.3731



31.4164, 31.6458, 8.6169



18.6033, 31.6458, 30.8166

Rectangle

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



28.7789, 31.6458, 88.5958



40.4697, 31.6458, 69.8832



31.4164, 31.6458, 8.6169



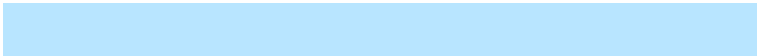
21.6380, 31.6458, 13.6369

Sweetspot

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



28.7801, 31.6468, 88.5966



65.8282, 73.5744, 105.3395



33.9472, 64.4037, 21.1927



13.3168, 15.0047, 22.4443



0.0000, 0.0000, 0.0000



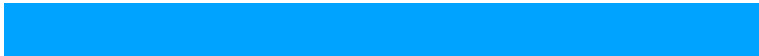
20.3446, 21.4041, 23.3091

Same Dimension

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



28.7801, 31.6468, 88.5966



31.1951, 33.5102, 99.4317



17.2760, 8.6386, 84.7619



15.7413, 16.9168, 20.1572



15.0359, 16.2960, 47.4808



1.3447, 1.5434, 3.9812

Inverse Universe

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



43.1213, 21.7310, 35.1802



47.8751, 23.9140, 36.8697



59.2071, 63.9277, 9.6361



16.1989, 15.9293, 18.6035



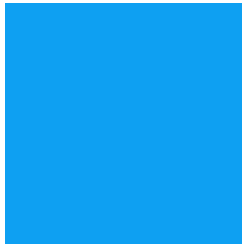
22.9150, 11.4384, 18.0010



1.9537, 0.9705, 1.7470

Previews

White Background



This preview shows how the XYZ color 28.7789, 31.6458, 88.5958 looks on a white background.

Color Contrast Check

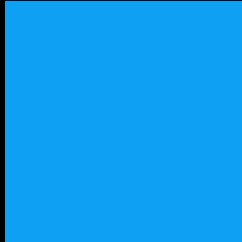
Large Text (above 18pt) WCAG AA × Fail

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 28.7789, 31.6458, 88.5958 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

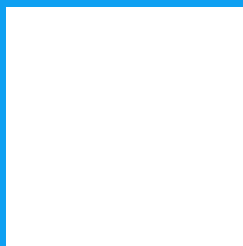
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.7789, 31.6458, 88.5958

Background



This preview shows how black text looks on a background with the XYZ color 28.7789, 31.6458, 88.5958.



This preview shows how white text looks on a background with the XYZ color 28.7789, 31.6458,

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

28.7789, 31.6458, 88.5958

Protanopia

33.3390, 31.4587, 80.6589

Deuteranopia

32.4871, 31.5295, 89.9615



Tritanopia

22.3431, 31.3415, 48.5880

Trichromacy



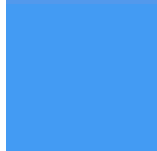
Original Color

28.7789, 31.6458, 88.5958



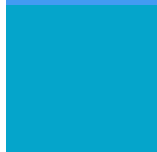
Protanomaly

30.0988, 30.6776, 83.6919



Deuteranomaly

30.2137, 31.1070, 89.2058



Tritanomaly

24.2972, 31.2543, 61.2520

Monochromacy



Original Color

28.7789, 31.6458, 88.5958



Achromatopsia

19.8309, 20.8637, 22.7206



Achromatomaly

19.9027, 22.9354, 40.4238

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7789, 31.6458, 88.5958 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(14, 160, 242)` looks like.

```
.text, #text, p{  
    color:rgb(14, 160, 242)  
}
```

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(14, 160, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(14, 160, 242) }
```

Border

The CSS property to change the border of an element to XYZ 28.7789, 31.6458, 88.5958 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(14, 160, 242) }
```


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

```
.border{ border-color:rgb(14, 160, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(14, 160, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(14, 160, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(14, 160, 242);  
box-shadow:4px 4px 4px 4px rgb(14, 160,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 28.7789, 31.6458, 88.5958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(14, 160, 242) }
```

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

```
.background{ background-color: rgb(14, 160,  
242) }
```

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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