

Converting Colors

XYZ(27.8812, 26.5578, 86.2724)

Have a look what the booklet for
XYZ(27.8812, 26.5578, 86.2724)
contains.

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Color

**XYZ(27.7787, 26.4252,
86.0745)**

Conversions

Conversions Part 1

Format	Color
Hex	488CF0
RGB	72, 140, 240
RGB Percent	28%, 55%, 94%
CMY	0.7176, 0.4510, 0.0588
CMYK	0.70, 0.42, 0.00, 0.06
HSL	216°, 85%, 61%
HSV	216°, 70%, 94%
XYZ	27.7787, 26.4252, 86.0745
YIQ	131.0680, -72.6280, 16.6840

Conversions

Conversions Part 2

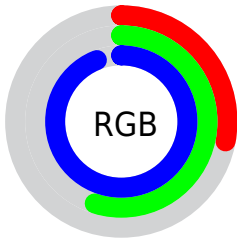
Format	Color
R _Y B	72, 120, 240
Decimal	4754672
CIE Lab	58.44, 10.96, -56.59
CIE LCh	58, 57.637, 280.960
Yxy	26.4252, 0.1980, 0.1884
Android (android.graphics.Color)	4282944752 (0xFF488CF0)
YUV	131.0680, 53.7035, -51.8026
Hunter-Lab	51.4054, 6.4991, -63.2928

Details

The XYZ color **27.7787, 26.4252, 86.0745** 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 **51.8596, 48.5018, 12.7611**, and the grayscale version is **21.4320, 22.5481, 24.5549**.

A 20% lighter version of the original color is **47.6012, 50.7632, 101.8972**, and **12.2883, 10.9011, 46.2562** is the 20% darker color. If you saturate the color by 10%, you get **24.3721, 21.7689, 85.3559**, and if you desaturate by 10%, it is **32.1564, 31.9850, 86.9175**.

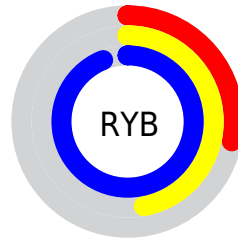
Distribution



Red (28%)

Green (55%)

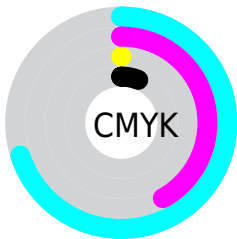
Blue (94%)



Red (28%)

Yellow (47%)

Blue (94%)

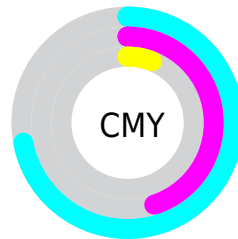


Cyan (70%)

Magenta (42%)

Yellow (0%)

Black (6%)



Cyan (72%)

Magenta (45%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.7787, 26.4252, 86.0745 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 27.7787, 26.4252, 86.0745 by changing the saturation by 10% instead.

■ 27.7787, 26.4252,
86.0745

■ 27.7787, 26.4252,
86.0745

283.5072,
284.8632, 535.4139

■ 18.2985, 17.1420,
64.1743

■ 55.5420, 53.9601,
143.7609

■ 11.2655, 10.3358,
46.3448

■ 74.5559, 72.9806,
180.3842

■ 6.3143, 5.6222,
32.1674

■ 97.4784, 96.0157,
222.7524

■ 3.0796, 2.6167,
21.2235

■ 124.6748,
123.4497, 271.2838

■ 1.1960, 0.9351,
13.0946

156.5106,
155.6670, 326.3972

■ 0.1032, 0.0000,
7.3623

193.3510,

■ 0.0000, 0.0000,

193.0521, 388.5109

3.6078

235.5614,
235.9894, 458.0436

■ 0.0000, 0.0000,
1.4128

■ 0.0000, 0.0000,
0.1516

■ 27.7787, 26.4252,
86.0745

■ 27.7787, 26.4252,
86.0745

■ 24.3721, 21.7689,
85.3559

■ 32.1564, 31.9850,
86.9175

■ 21.8365, 17.9483,
84.7521

■ 37.5843, 38.5029,
87.8895

■ 20.0163, 14.8671,
84.2533

■ 44.1364, 46.0311,
88.9973

■ 20.0156, 14.8660,
84.2531

■ 51.8786, 54.6166,
90.2464

■ 60.8712, 64.3034,
91.6421

■ 71.1705, 75.1323,
93.1895

■ 82.8289, 87.1423,
94.8932

■ 92.5031, 98.6209,
96.5989

■ 92.7283, 99.0713,
96.6740

Harmonies

Analogous

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



20.9545, 26.4252, 83.1729



27.7787, 26.4252, 86.0745



35.0751, 26.4252, 69.0955

Triad

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



27.7787, 26.4252, 86.0745



36.7870, 26.4252, 10.1081



14.3712, 26.4252, 17.8890

Complementary

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



27.7787, 26.4252, 86.0745



51.8596, 48.5018, 12.7611

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.



17.2473, 26.4252, 8.3046



27.7787, 26.4252, 86.0745



29.7957, 26.4252, 5.4837

Square

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



27.7787, 26.4252, 86.0745



40.8860, 26.4252, 22.0138



22.6298, 26.4252, 5.0288



14.0337, 26.4252, 36.7899

Rectangle

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



27.7787, 26.4252, 86.0745



38.9058, 26.4252, 51.9892



22.6298, 26.4252, 5.0288



15.0439, 26.4252, 13.7597

Sweetspot

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



27.7798, 26.4260, 86.0752



68.6793, 72.5414, 104.9898



41.0896, 66.6011, 48.7221



14.0661, 14.8483, 22.3746



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.



27.7798, 26.4260, 86.0752



26.6099, 22.9940, 97.6435



21.8849, 12.9062, 83.7763



15.4225, 16.2790, 20.0509



11.0793, 8.3829, 46.1620



1.0168, 0.8877, 3.8720

Inverse Universe

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



42.9871, 25.0549, 27.3819



45.8891, 24.3773, 22.5346



63.6948, 78.9576, 18.0158



16.0379, 15.8649, 17.7559



20.9180, 10.6396, 7.4845



1.7882, 0.9043, 0.8755

Previews

White Background



This preview shows how the XYZ color 27.7787, 26.4252, 86.0745 looks on a white background.

Color Contrast Check

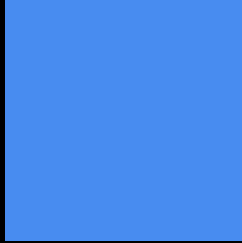
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.7787, 26.4252, 86.0745 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

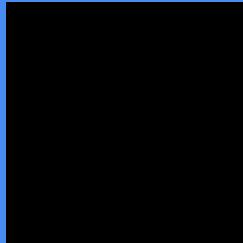
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

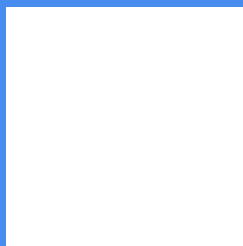
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.7787, 26.4252, 86.0745

Background



This preview shows how black text looks on a background with the XYZ color 27.7787, 26.4252, 86.0745.



This preview shows how white text looks on a background with the XYZ color 27.7787, 26.4252,

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

27.7787, 26.4252, 86.0745

Protanopia

29.0200, 26.2641, 83.6607

Deuteranopia

27.3674, 26.4310, 86.0974



Tritanopia

18.7892, 26.2698, 41.1261

Trichromacy



Original Color

27.7787, 26.4252, 86.0745

Protanomaly

28.4028, 26.1391, 84.4373

Deuteranomaly

27.5678, 26.5343, 86.1067

Tritanomaly

21.0700, 25.9273, 54.9329

Monochromacy



Original Color

27.7787, 26.4252, 86.0745

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

22.3062, 23.3055, 41.8508

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7787, 26.4252, 86.0745 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(72, 140, 240)` looks like.

```
.text, #text, p{  
    color:rgb(72, 140, 240)  
}
```

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(72, 140, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 140, 240) }
```

Border

The CSS property to change the border of an element to XYZ 27.7787, 26.4252, 86.0745 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(72, 140, 240) }
```


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

```
.border{ border-color:rgb(72, 140, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 140, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 140, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 140, 240);  
box-shadow:4px 4px 4px 4px rgb(72, 140,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 27.7787, 26.4252, 86.0745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 140, 240) }
```

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

```
.background{ background-color: rgb(72, 140,  
240) }
```

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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