

Converting Colors

XYZ(33.1838, 26.4627,
115.9315)

Have a look what the booklet for
XYZ(33.1838, 26.4627, 115.9315)
contains.

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Color

**XYZ(29.7789, 25.1166,
97.8862)**

Conversions

Conversions Part 1

Format	Color
Hex	5582FF
RGB	85, 130, 255
RGB Percent	33%, 51%, 100%
CMY	0.6666, 0.4902, 0.0000
CMYK	0.67, 0.49, 0.00, 0.00
HSL	224°, 100%, 67%
HSV	224°, 67%, 100%
XYZ	29.7789, 25.1166, 97.8862
YIQ	130.7950, -66.9450, 29.3350

Conversions

Conversions Part 2

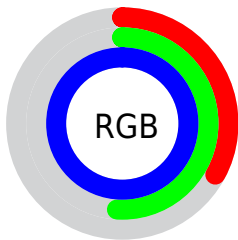
Format	Color
R _Y B	85, 121, 255
Decimal	5604095
CIE Lab	57.19, 24.12, -66.84
CIE LCh	57, 71.059, 289.847
Yxy	25.1166, 0.1949, 0.1644
Android (android.graphics.Color)	4283794175 (0xFF5582FF)
YUV	130.7950, 61.2331, -40.1622
Hunter-Lab	50.1165, 18.3598, -80.7222

Details

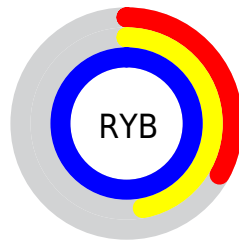
The XYZ color **29.7789, 25.1166, 97.8862** is a light color, and the websafe version is hex **3366CC**. The color can be described as light muted azure. A complement of this color would be **65.9287, 68.0132, 18.2493**, and the grayscale version is **21.3075, 22.4172, 24.4123**.

A 20% lighter version of the original color is **47.3556, 47.1599, 101.2146**, and **13.0953, 10.0658, 54.0760** is the 20% darker color. If you saturate the color by 10%, you get **25.5958, 19.5890, 97.0398**, and if you desaturate by 10%, it is **35.2522, 31.9843, 98.9233**.

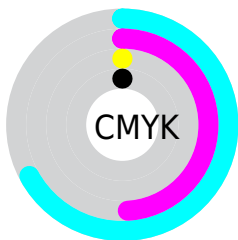
Distribution



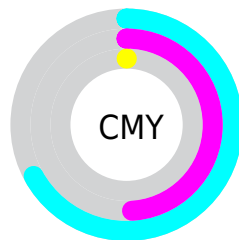
- Red (33%)
- Green (51%)
- Blue (100%)



- Red (33%)
- Yellow (47%)
- Blue (100%)



- Cyan (67%)
- Magenta (49%)
- Yellow (0%)
- Black (0%)



- Cyan (67%)
- Magenta (49%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.7789, 25.1166, 97.8862 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 29.7789, 25.1166, 97.8862 by changing the saturation by 10% instead.

■ 29.7789, 25.1166,
97.8862

■ 29.7789, 25.1166,
97.8862

292.8008,
278.4181, 574.5828

■ 19.8181, 16.1639,
73.9294

■ 58.7014, 51.8463,
160.2757

■ 12.3704, 9.6402,
54.2398

■ 78.3937, 70.3922,
199.5455

■ 7.0704, 5.1611,
38.3989

■ 102.0606, 92.9046,
244.7568

■ 3.5529, 2.3421,
25.9882

■ 130.0674,
119.7679, 296.3279

■ 1.4524, 0.7959,
16.5891

162.7795,
151.3665, 354.6776

■ 0.2931, 0.0000,
9.7831

200.5622,

■ 0.0000, 0.0000,

188.0848, 420.2242

5.1517

243.7809,
230.3072, 493.3865

■ 0.0000, 0.0000,
2.2762

■ 0.0000, 0.0000,
0.7179

■ 29.7789, 25.1166,
97.8862

■ 29.7789, 25.1166,
97.8862

■ 25.5958, 19.5890,
97.0398

■ 35.2522, 31.9843,
98.9233

■ 22.5805, 15.3014,
96.3711

■ 42.1159, 40.2771,
100.1622

■ 20.5885, 12.1390,
95.8657

■ 50.4632, 50.0749,
101.6135

■ 20.0865, 11.2930,
95.7288

■ 60.3782, 61.4508,
103.2867

■ 71.9384, 74.4728,
105.1909

■ 85.2160, 89.2048,
107.3346

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.



21.1402, 25.1166, 102.6906



29.7789, 25.1166, 97.8862



38.4471, 25.1166, 69.2671

Triad

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



29.7789, 25.1166, 97.8862



35.8591, 25.1166, 5.0537



11.2539, 25.1166, 19.9850

Complementary

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



29.7789, 25.1166, 97.8862



65.9287, 68.0132, 18.2493

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.



13.5436, 25.1166, 7.0646



29.7789, 25.1166, 97.8862



26.8308, 25.1166, 2.4212

Square

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



29.7789, 25.1166, 97.8862



42.4883, 25.1166, 14.4701



18.8039, 25.1166, 2.8452



11.6867, 25.1166, 46.2227

Rectangle

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



29.7789, 25.1166, 97.8862



42.4449, 25.1166, 46.5535



18.8039, 25.1166, 2.8452



11.7050, 25.1166, 14.3186

Sweetspot

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



29.7799, 25.1173, 97.8863



67.8933, 69.9404, 104.5292



51.0988, 78.0884, 73.1362



13.8340, 14.1842, 22.2586



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.



29.7799, 25.1173, 97.8863



24.4661, 18.0256, 96.7975



29.7091, 18.0539, 96.5267



17.3940, 18.1595, 22.8383



10.5987, 6.1071, 50.0548



1.1168, 0.7643, 4.9019

Inverse Universe

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



48.5186, 29.3702, 24.2313



44.9733, 24.6474, 15.7498



65.5230, 86.6739, 21.8726



18.2067, 18.0660, 19.7059



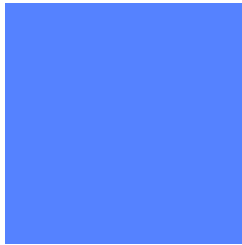
22.1380, 11.3445, 4.1110



2.1983, 1.1217, 0.6258

Previews

White Background



This preview shows how the XYZ color 29.7789, 25.1166, 97.8862 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 29.7789, 25.1166, 97.8862 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

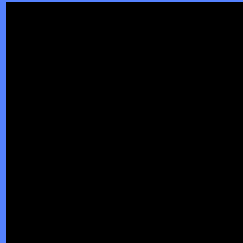
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.7789, 25.1166, 97.8862

Background



This preview shows how black text looks on a background with the XYZ color 29.7789, 25.1166, 97.8862.



This preview shows how white text looks on a background with the XYZ color 29.7789, 25.1166,

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

29.7789, 25.1166, 97.8862

Protanopia

28.8998, 25.0621, 97.9220

Deuteranopia

25.7140, 25.0578, 89.8676



Tritanopia

17.7674, 24.8136, 38.9750

Trichromacy



Original Color

29.7789, 25.1166, 97.8862

Protanomaly

29.1468, 24.9891, 97.8949

Deuteranomaly

26.4681, 24.7392, 93.0027

Tritanomaly

20.4656, 23.9674, 56.3709

Monochromacy



Original Color

29.7789, 25.1166, 97.8862

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

22.8922, 22.9446, 44.2965

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7789, 25.1166, 97.8862 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(85, 130, 255)` looks like.

```
.text, #text, p{  
    color:rgb(85, 130, 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(85, 130, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 130, 255) }
```

Border

The CSS property to change the border of an element to XYZ 29.7789, 25.1166, 97.8862 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(85, 130, 255) }
```


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

```
.border{ border-color:rgb(85, 130, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 130, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 130, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 130, 255);  
box-shadow:4px 4px 4px 4px rgb(85, 130,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7789, 25.1166, 97.8862 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 130, 255) }
```

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

```
.background{ background-color: rgb(85, 130,  
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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