

Converting Colors

XYZ(27.7990, 25.5575, 98.0757)

Have a look what the booklet for
XYZ(27.7990, 25.5575, 98.0757)
contains.

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Color

**XYZ(27.7950, 25.5234,
98.0693)**

Conversions

Conversions Part 1

Format	Color
Hex	2689FF
RGB	38, 137, 255
RGB Percent	15%, 54%, 100%
CMY	0.8509, 0.4627, 0.0000
CMYK	0.85, 0.46, 0.00, 0.00
HSL	213°, 100%, 57%
HSV	213°, 85%, 100%
XYZ	27.7950, 25.5234, 98.0693
YIQ	120.8510, -96.8820, 15.7100

Conversions

Conversions Part 2

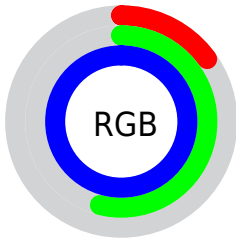
Format	Color
R _Y B	38, 106, 255
Decimal	2525695
CIE Lab	57.58, 14.72, -66.28
CIE LCh	58, 67.895, 282.517
Yxy	25.5234, 0.1836, 0.1686
Android (android.graphics.Color)	4280715775 (0xFF2689FF)
YUV	120.8510, 66.1355, -72.6603
Hunter-Lab	50.5207, 9.7943, -79.7276

Details

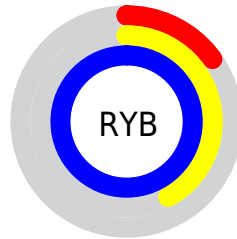
The XYZ color **27.7950, 25.5234, 98.0693** is a dark color, and the websafe version is hex **3399FF**. The color can be described as middle washed azure. A complement of this color would be **53.4830, 45.1855, 7.7387**, and the grayscale version is **17.9446, 18.8791, 20.5594**.

A 20% lighter version of the original color is **44.4895, 48.1845, 101.5634**, and **13.5678, 11.0107, 54.2335** is the 20% darker color. If you saturate the color by 10%, you get **25.3085, 21.5009, 97.4239**, and if you desaturate by 10%, it is **31.1791, 30.3851, 98.8293**.

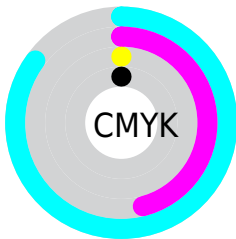
Distribution



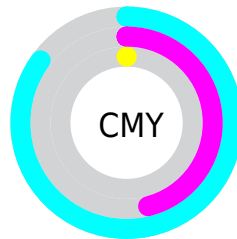
- Red (15%)
- Green (54%)
- Blue (100%)



- Red (15%)
- Yellow (42%)
- Blue (100%)



- Cyan (85%)
- Magenta (46%)
- Yellow (0%)
- Black (0%)



- Cyan (85%)
- Magenta (46%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.7950, 25.5234, 98.0693 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 27.7950, 25.5234, 98.0693 by changing the saturation by 10% instead.

■ 27.7950, 25.5234,
98.0693

■ 27.7950, 25.5234,
98.0693

283.5839,
280.4346, 575.1785

■ 18.3108, 16.4674,
74.0812

■ 55.5679, 52.5051,
160.5301

■ 11.2744, 9.8555,
54.3633

■ 74.5874, 71.1996,
199.8399

■ 6.3204, 5.3033,
38.4971

■ 97.5160, 93.8757,
245.0940

■ 3.0834, 2.4263,
26.0639

■ 124.7192,
120.9178, 296.7110

■ 1.1980, 0.8394,
16.6452

■ 156.5622,
152.7104, 355.1094

■ 0.1048, 0.0000,
9.8226

193.4104,

■ 0.0000, 0.0000,

189.6378, 420.7078

5.1774

235.6292,
232.0844, 493.9246

■ 0.0000, 0.0000,
2.2912

■ 0.0000, 0.0000,
0.7263

■ 27.7950, 25.5234,
98.0693

■ 27.7950, 25.5234,
98.0693

■ 25.3085, 21.5009,
97.4239

■ 31.1791, 30.3851,
98.8293

■ 24.3324, 19.7848,
97.1441

■ 35.5800, 36.1604,
99.7121

■ 41.0990, 42.9147,
100.7250

■ 47.8231, 50.7048,
101.8742

■ 55.8300, 59.5825,
103.1658

■ 65.1903, 69.5955,
104.6051

■ 75.9691, 80.7882,
106.1974

■ 88.2271, 93.2023,
107.9475

■ 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.



19.8734, 25.5234, 95.7687



27.7950, 25.5234, 98.0693



36.3849, 25.5234, 75.3564

Triad

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



27.7950, 25.5234, 98.0693



37.6497, 25.5234, 7.2279



12.2269, 25.5234, 16.4261

Complementary

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



27.7950, 25.5234, 98.0693



53.4830, 45.1855, 7.7387

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.



15.1801, 25.5234, 6.1705



27.7950, 25.5234, 98.0693



29.2470, 25.5234, 3.2604

Square

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



27.7950, 25.5234, 98.0693



42.8684, 25.5234, 19.1984



21.0368, 25.5234, 3.0265



12.0070, 25.5234, 38.6263

Rectangle

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



27.7950, 25.5234, 98.0693



40.8717, 25.5234, 53.8852



21.0368, 25.5234, 3.0265



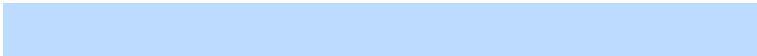
12.8965, 25.5234, 11.8667

Sweetspot

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



27.7960, 25.5241, 98.0694



64.2787, 68.6340, 104.4676



42.3718, 74.2572, 42.5606



13.0401, 13.9279, 22.2510



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.



27.7960, 25.5241, 98.0694



24.3324, 19.7848, 97.1441



19.8375, 9.1717, 95.3325



17.6856, 18.7428, 22.9355



12.8592, 10.6280, 50.8082



1.3596, 1.2500, 4.9829

Inverse Universe

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



46.4493, 24.4540, 25.9391



44.4111, 22.5284, 18.6286



74.7393, 91.5741, 15.5723



18.3539, 18.1249, 20.4810



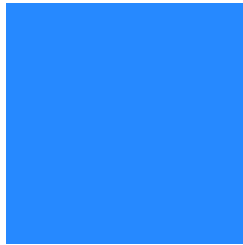
23.2789, 11.8009, 10.1193



2.3209, 1.1707, 1.2713

Previews

White Background



This preview shows how the XYZ color 27.7950, 25.5234, 98.0693 looks on a white background.

Color Contrast Check

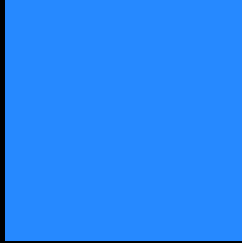
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.7950, 25.5234, 98.0693 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

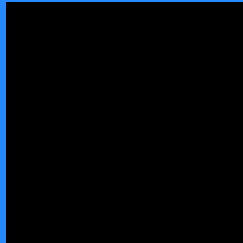
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

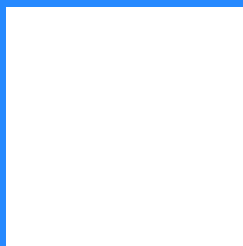
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.7950, 25.5234, 98.0693

Background



This preview shows how black text looks on a background with the XYZ color 27.7950, 25.5234, 98.0693.



This preview shows how white text looks on a background with the XYZ color 27.7950, 25.5234,

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

27.7950, 25.5234, 98.0693

Protanopia

28.9420, 25.3598, 94.6363

Deuteranopia

26.0126, 25.4100, 90.7224



Tritanopia

18.0021, 25.4268, 38.6094

Trichromacy



Original Color

27.7950, 25.5234, 98.0693

Protanomaly

28.1457, 25.1352, 95.4636

Deuteranomaly

26.5126, 25.3982, 93.1275

Tritanomaly

20.5786, 24.9463, 55.9551

Monochromacy



Original Color

27.7950, 25.5234, 98.0693

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

19.1595, 20.3052, 40.9397

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7950, 25.5234, 98.0693 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(38, 137, 255)` looks like.

```
.text, #text, p{  
    color:rgb(38, 137, 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(38, 137, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 137, 255) }
```

Border

The CSS property to change the border of an element to XYZ 27.7950, 25.5234, 98.0693 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(38, 137, 255) }
```


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

```
.border{ border-color:rgb(38, 137, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 137, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 137, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 137, 255);  
box-shadow:4px 4px 4px 4px rgb(38, 137,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 27.7950, 25.5234, 98.0693 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 137, 255) }
```

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

```
.background{ background-color: rgb(38, 137,  
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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