

Converting Colors

XYZ(28.9950, 27.0032, 78.5468)

Have a look what the booklet for
XYZ(28.9950, 27.0032, 78.5468)
contains.

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Color

**XYZ(28.9950, 27.0032,
78.5468)**

Conversions

Conversions Part 1

Format	Color
Hex	668BE6
RGB	102, 139, 230
RGB Percent	40%, 55%, 90%
CMY	0.6000, 0.4549, 0.0980
CMYK	0.56, 0.40, 0.00, 0.10
HSL	223°, 72%, 65%
HSV	223°, 56%, 90%
XYZ	28.9950, 27.0032, 78.5468
YIQ	138.3110, -51.2630, 20.4570

Conversions

Conversions Part 2

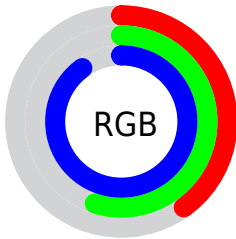
Format	Color
R _Y B	102, 131, 230
Decimal	6720486
CIE Lab	58.98, 13.41, -50.10
CIE LCh	59, 51.864, 284.984
Yxy	27.0032, 0.2155, 0.2007
Android (android.graphics.Color)	4284910566 (0xFF668BE6)
YUV	138.3110, 45.2027, -31.8447
Hunter-Lab	51.9646, 8.6607, -53.2442

Details

The XYZ color **28.9950, 27.0032, 78.5468** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **54.1029, 55.9245, 20.5149**, and the grayscale version is **24.1240, 25.3803, 27.6391**.

A 20% lighter version of the original color is **51.5976, 52.4963, 102.0211**, and **11.9893, 10.7256, 41.4828** is the 20% darker color. If you saturate the color by 10%, you get **24.5475, 21.4549, 77.7108**, and if you desaturate by 10%, it is **34.5217, 33.6343, 79.5360**.

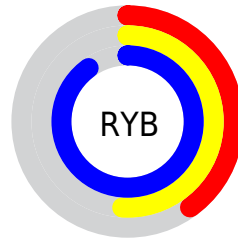
Distribution



Red (40%)

Green (55%)

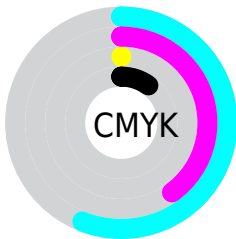
Blue (90%)



Red (40%)

Yellow (51%)

Blue (90%)

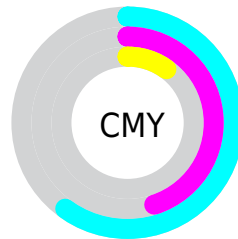


Cyan (56%)

Magenta (40%)

Yellow (0%)

Black (10%)



Cyan (60%)

Magenta (45%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.9950, 27.0032, 78.5468 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 28.9950, 27.0032, 78.5468 by changing the saturation by 10% instead.

■ 28.9950, 27.0032,
78.5468

■ 28.9950, 27.0032,
78.5468

289.1860,
287.6726, 509.5989

■ 19.2213, 17.5756,
58.0042

■ 57.4668, 54.8890,
133.1135

■ 11.9352, 10.6457,
41.3973

■ 76.8955, 74.1160,
167.9747

■ 6.7715, 5.8292,
28.3076

■ 100.2734, 97.3783,
208.4458

■ 3.3647, 2.7415,
18.3166

■ 127.9656,
125.0603, 254.9453

■ 1.3494, 0.9983,
11.0057

160.3377,
157.5463, 307.8919

■ 0.2197, 0.0000,
5.9565

197.7548,

■ 0.0000, 0.0000,

195.2207, 367.7039

2.7503

240.5825,
238.4681, 434.8001

■ 0.0000, 0.0000,
0.9686

■ 0.0000, 0.0000,
0.0000

■ 28.9950, 27.0032,
78.5468

■ 28.9950, 27.0032,
78.5468

■ 24.5475, 21.4549,
77.7108

■ 34.5217, 33.6343,
79.5360

■ 21.0990, 16.9237,
77.0180

■ 41.1935, 41.4029,
80.6839

■ 18.5620, 13.3398,
76.4599

■ 49.0746, 50.3631,
81.9980

■ 16.8300, 10.6212,
76.0265

■ 58.2232, 60.5643,
83.4848

■ 16.2594, 9.6660,
75.8722

■ 68.6938, 72.0533,
85.1505

■ 80.5376, 84.8741,
87.0010

■ 90.7957, 97.5186,
88.9009

■ 91.2830, 98.4932,
89.0634

Harmonies

Analogous

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



22.5957, 27.0032, 78.5372



28.9950, 27.0032, 78.5468



35.4292, 27.0032, 62.2064

Triad

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



28.9950, 27.0032, 78.5468



35.4350, 27.0032, 10.8097



15.4854, 27.0032, 21.1535

Complementary

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



28.9950, 27.0032, 78.5468



54.1029, 55.9245, 20.5149

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.



17.8842, 27.0032, 10.8028



28.9950, 27.0032, 78.5468



29.0020, 27.0032, 6.7560

Square

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



28.9950, 27.0032, 78.5468



39.5481, 27.0032, 21.1684



22.6016, 27.0032, 6.7542



15.4842, 27.0032, 39.5337

Rectangle

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



28.9950, 27.0032, 78.5468



38.5705, 27.0032, 47.0486



22.6016, 27.0032, 6.7542



16.0178, 27.0032, 16.8327

Sweetspot

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



28.9961, 27.0041, 78.5475



71.8046, 74.5732, 105.2173



43.2476, 63.2073, 59.5593



14.8512, 15.3867, 22.4371



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.



28.9961, 27.0041, 78.5475



30.1803, 26.0331, 98.0420



27.8777, 19.7757, 77.2112



13.9205, 14.5624, 18.2215



9.2961, 5.6544, 42.9846



0.7647, 0.5734, 3.2023

Inverse Universe

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



42.0456, 28.1911, 27.6522



48.6925, 29.3322, 25.4791



55.7077, 70.4477, 23.2335



14.5475, 14.4362, 15.8173



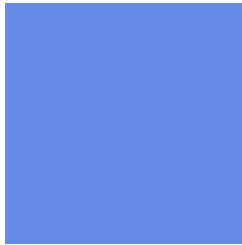
19.0858, 9.7685, 4.0807



1.4496, 0.7376, 0.5083

Previews

White Background



This preview shows how the XYZ color 28.9950, 27.0032, 78.5468 looks on a white background.

Color Contrast Check

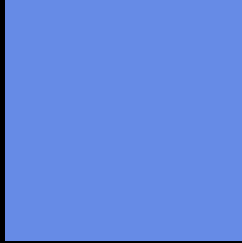
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.9950, 27.0032, 78.5468 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

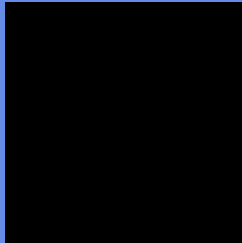
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.9950, 27.0032, 78.5468

Background



This preview shows how black text looks on a background with the XYZ color 28.9950, 27.0032, 78.5468.

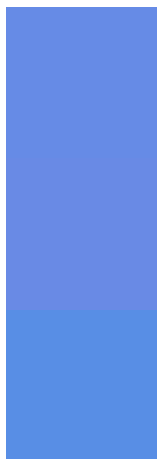


This preview shows how white text looks on a background with the XYZ color 28.9950, 27.0032,

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

28.9950, 27.0032, 78.5468

Protanopia

29.0570, 26.8374, 77.7774

Deuteranopia

27.8404, 27.0779, 77.8879



Tritanopia

21.2433, 27.0769, 39.7040

Trichromacy



Original Color

28.9950, 27.0032, 78.5468

Protanomaly

28.9403, 26.7772, 77.7719

Deuteranomaly

28.1819, 27.0341, 77.8615

Tritanomaly

23.6130, 26.8324, 52.0787

Monochromacy



Original Color

28.9950, 27.0032, 78.5468

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

24.8966, 25.4772, 42.1335

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.9950, 27.0032, 78.5468 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(102, 139, 230)` looks like.

```
.text, #text, p{  
    color:rgb(102, 139, 230)  
}
```

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(102, 139, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 139, 230) }
```

Border

The CSS property to change the border of an element to XYZ 28.9950, 27.0032, 78.5468 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(102, 139, 230) }
```


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

```
.border{ border-color:rgb(102, 139, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 139, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 139, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 139, 230);  
box-shadow:4px 4px 4px 4px rgb(102, 139,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 28.9950, 27.0032, 78.5468 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 139, 230) }
```

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

```
.background{ background-color: rgb(102,  
139, 230) }
```

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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