

Converting Colors

XYZ(25.2584, 16.8421, 96.5273)

Have a look what the booklet for
XYZ(25.2584, 16.8421, 96.5273)
contains.

XYZ(25.2772, 16.8877, 96.5351)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(25.2772, 16.8877,
96.5351)**

Conversions

Conversions Part 1

Format	Color
Hex	4F5EFF
RGB	79, 94, 255
RGB Percent	31%, 37%, 100%
CMY	0.6901, 0.6314, 0.0000
CMYK	0.69, 0.63, 0.00, 0.00
HSL	235°, 100%, 65%
HSV	235°, 69%, 100%
XYZ	25.2772, 16.8877, 96.5351
YIQ	107.8690, -60.6210, 46.8910

Conversions

Conversions Part 2

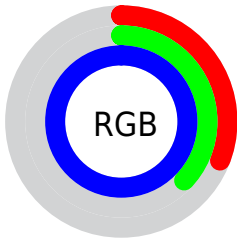
Format	Color
R _Y B	79, 93, 255
Decimal	5201663
CIE Lab	48.12, 45.17, -81.59
CIE LCh	48, 93.254, 298.970
Yxy	16.8877, 0.1822, 0.1218
Android (android.graphics.Color)	4283391743 (0xFF4F5EFF)
YUV	107.8690, 72.5356, -25.3181
Hunter-Lab	41.0946, 37.8792, -110.5114

Details

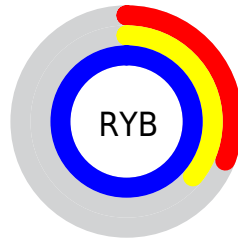
The XYZ color **25.2772, 16.8877, 96.5351** is a dark color, and the websafe version is hex **6666FF**. The color can be described as middle washed blue. A complement of this color would be **73.8155, 84.1522, 19.7519**, and the grayscale version is **14.0341, 14.7649, 16.0790**.

A 20% lighter version of the original color is **40.3881, 33.7667, 98.9967**, and **11.1350, 6.1451, 53.4226** is the 20% darker color. If you saturate the color by 10%, you get **21.7776, 12.4556, 95.8641**, and if you desaturate by 10%, it is **30.2181, 22.9929, 97.4531**.

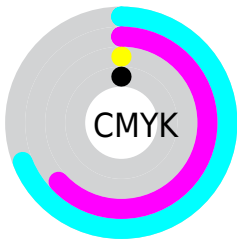
Distribution



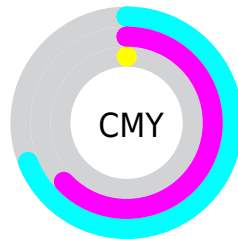
- Red (31%)
- Green (37%)
- Blue (100%)



- Red (31%)
- Yellow (36%)
- Blue (100%)



- Cyan (69%)
- Magenta (63%)
- Yellow (0%)
- Black (0%)



- Cyan (69%)
- Magenta (63%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.2772, 16.8877, 96.5351 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 25.2772, 16.8877, 96.5351 by changing the saturation by 10% instead.

■ 25.2772, 16.8877,
96.5351

■ 25.2772, 16.8877,
96.5351

271.5379,
234.5244, 570.1772

■ 16.4135, 10.1545,
72.8094

■ 51.5462, 38.1326,
158.3975

■ 9.9099, 5.5015,
53.3292

■ 69.6823, 53.4130,
197.3712

■ 5.4011, 2.5444,
37.6761

■ 91.6399, 72.3113,
242.2647

■ 2.5216, 0.8988,
25.4315

■ 117.7843, 95.2119,
293.4965

■ 0.9062, 0.0000,
16.1769

148.4810,
122.4990, 351.4851

■ 0.0000, 0.0000,
9.4937

184.0952,

■ 0.0000, 0.0000,

154.5573, 416.6490

4.9634

224.9924,
191.7709, 489.4069

■ 0.0000, 0.0000,
2.1674

■ 0.0000, 0.0000,
0.6555

■ 25.2772, 16.8877,
96.5351

■ 25.2772, 16.8877,
96.5351

■ 21.7776, 12.4556,
95.8641

■ 30.2181, 22.9929,
97.4531

■ 19.5595, 9.5276,
95.4158

■ 36.7320, 30.9152,
98.6390

■ 18.4084, 7.8901,
95.1604

■ 44.9387, 40.7847,
100.1114

■ 18.3315, 7.7830,
95.1438

■ 54.9456, 52.7187,
101.8875

■ 66.8511, 66.8256,
103.9829

■ 80.7467, 83.2061,
106.4123

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.



15.7609, 16.8877, 115.1869



25.2772, 16.8877, 96.5351



34.3878, 16.8877, 54.3184

Triad

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



25.2772, 16.8877, 96.5351



25.9684, 16.8877, 0.2135



4.6701, 16.8877, 17.5637

Complementary

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



25.2772, 16.8877, 96.5351



73.8155, 84.1522, 19.7519

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.



5.7659, 16.8877, 3.3192



25.2772, 16.8877, 96.5351



16.3452, 16.8877, 0.0000

Square

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



25.2772, 16.8877, 96.5351



34.8756, 16.8877, 3.8039



9.3976, 16.8877, 0.0963



5.6195, 16.8877, 51.3889

Rectangle

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



25.2772, 16.8877, 96.5351



37.8641, 16.8877, 28.8053



9.3976, 16.8877, 0.0963



4.8020, 16.8877, 10.8443

Sweetspot

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



25.2781, 16.8881, 96.5352



64.3324, 63.8476, 103.5409



54.3302, 79.3207, 92.8753



13.0475, 12.8109, 22.0350



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.



25.2781, 16.8881, 96.5352



20.7498, 11.1188, 95.6603



33.3157, 19.2416, 96.5658



17.1273, 17.6263, 22.7494



9.6211, 4.1518, 49.7289



0.9772, 0.4852, 4.8554

Inverse Universe

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



46.0572, 27.6618, 13.5013



42.9691, 23.3543, 6.7111



57.0841, 82.3499, 20.2859



18.0722, 18.0122, 18.9972



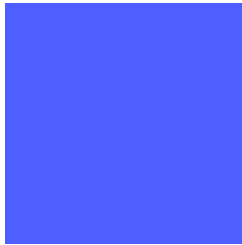
21.6445, 11.1471, 1.5124



2.1279, 1.0935, 0.2548

Previews

White Background



This preview shows how the XYZ color 25.2772, 16.8877, 96.5351 looks on a white background.

Color Contrast Check

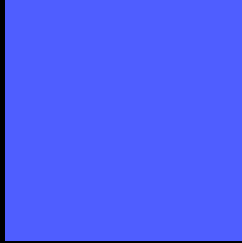
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 25.2772, 16.8877, 96.5351 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

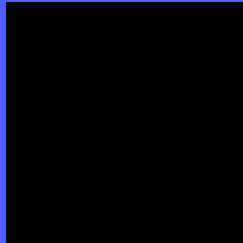
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 25.2772, 16.8877, 96.5351

Background



This preview shows how black text looks on a background with the XYZ color 25.2772, 16.8877, 96.5351.



This preview shows how white text looks on a background with the XYZ color 25.2772, 16.8877,

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

25.2772, 16.8877, 96.5351

Protanopia

19.8924, 16.7068, 77.7776

Deuteranopia

16.5542, 16.6143, 56.3672



Tritanopia

11.8340, 16.6710, 25.5158

Trichromacy



Original Color

25.2772, 16.8877, 96.5351

Protanomaly

21.1852, 16.4531, 84.4973

Deuteranomaly

18.6554, 16.1008, 69.1424

Tritanomaly

14.6607, 15.5505, 44.8767

Monochromacy



Original Color

25.2772, 16.8877, 96.5351

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

16.2130, 14.8151, 35.7233

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.2772, 16.8877, 96.5351 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(79, 94, 255)` looks like.

```
.text, #text, p{  
    color:rgb(79, 94, 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(79, 94, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 94, 255) }
```

Border

The CSS property to change the border of an element to XYZ 25.2772, 16.8877, 96.5351 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(79, 94, 255) }
```


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

```
.border{ border-color:rgb(79, 94, 255) }
```

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

Here you see how a box with a 4 pixel rgb(79, 94, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 94, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 94, 255);  
box-shadow:4px 4px 4px 4px rgb(79, 94,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 25.2772, 16.8877, 96.5351 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 94, 255) }
```

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

```
.background{ background-color: rgb(79, 94,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor