

Converting Colors

XYZ(24.6439, 16.5066, 96.4950)

Have a look what the booklet for
XYZ(24.6439, 16.5066, 96.4950)
contains.

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Color

**XYZ(24.6512, 16.5650,
96.5058)**

Conversions

Conversions Part 1

Format	Color
Hex	475EFF
RGB	71, 94, 255
RGB Percent	28%, 37%, 100%
CMY	0.7215, 0.6314, 0.0000
CMYK	0.72, 0.63, 0.00, 0.00
HSL	233°, 100%, 64%
HSV	233°, 72%, 100%
XYZ	24.6512, 16.5650, 96.5058
YIQ	105.4770, -65.3890, 45.1950

Conversions

Conversions Part 2

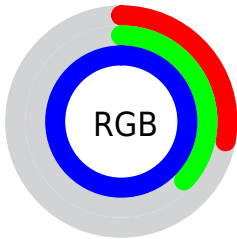
Format	Color
R _Y B	71, 91, 255
Decimal	4677375
CIE Lab	47.71, 44.26, -82.27
CIE LCh	48, 93.425, 298.279
Yxy	16.5650, 0.1790, 0.1203
Android (android.graphics.Color)	4282867455 (0xFF475EFF)
YUV	105.4770, 73.7148, -30.2363
Hunter-Lab	40.7001, 36.8884, -112.0950

Details

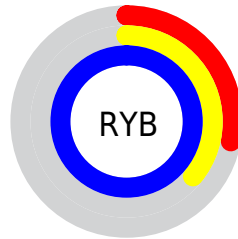
The XYZ color **24.6512, 16.5650, 96.5058** is a dark color, and the websafe version is hex **6666FF**. The color can be described as middle washed blue. A complement of this color would be **71.2380, 79.4356, 17.5412**, and the grayscale version is **13.3766, 14.0732, 15.3257**.

A 20% lighter version of the original color is **39.1786, 32.9173, 98.8965**, and **11.1350, 6.1451, 53.4226** is the 20% darker color. If you saturate the color by 10%, you get **21.4519, 12.3837, 95.8674**, and if you desaturate by 10%, it is **29.2095, 22.2978, 97.3721**.

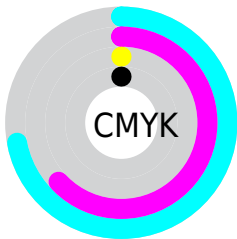
Distribution



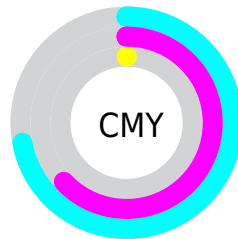
- Red (28%)
- Green (37%)
- Blue (100%)



- Red (28%)
- Yellow (36%)
- Blue (100%)



- Cyan (72%)
- Magenta (63%)
- Yellow (0%)
- Black (0%)



- Cyan (72%)
- Magenta (63%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.6512, 16.5650, 96.5058 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 24.6512, 16.5650, 96.5058 by changing the saturation by 10% instead.

■ 24.6512, 16.5650,
96.5058

■ 24.6512, 16.5650,
96.5058

268.4762,
232.6530, 570.0815

■ 15.9447, 9.9248,
72.7851

■ 50.5378, 37.5763,
158.3567

■ 9.5756, 5.3491,
53.3095

■ 68.4486, 52.7163,
197.3240

■ 5.1786, 2.4535,
37.6605

■ 90.1582, 71.4583,
242.2106

■ 2.3883, 0.8532,
25.4195

■ 116.0320, 94.1868,
293.4350

■ 0.8393, 0.0000,
16.1680

146.4354,
121.2861, 351.4157

■ 0.0000, 0.0000,
9.4875

181.7336,

■ 0.0000, 0.0000,

153.1406, 416.5714

4.9594

222.2921,
190.1348, 489.3204

■ 0.0000, 0.0000,
2.1651

■ 0.0000, 0.0000,
0.6541

■ 24.6512, 16.5650,
96.5058

■ 24.6512, 16.5650,
96.5058

■ 21.4519, 12.3837,
95.8674

■ 29.2095, 22.2978,
97.3721

■ 19.4526, 9.5967,
95.4348

■ 35.2565, 29.7160,
98.4853

■ 18.5627, 8.2455,
95.2209

■ 42.9093, 38.9398,
99.8623

■ 52.2725, 50.0781,
101.5187

■ 63.4418, 63.2312,
103.4688

■ 76.5057, 78.4921,
105.7260

■ 91.5469, 95.9482,
108.3026

■ 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.



15.2669, 16.5650, 114.2328



24.6512, 16.5650, 96.5058



33.7516, 16.5650, 54.6691

Triad

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



24.6512, 16.5650, 96.5058



25.7953, 16.5650, 0.1946



4.5250, 16.5650, 16.6896

Complementary

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



24.6512, 16.5650, 96.5058



71.2380, 79.4356, 17.5412

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.



5.6494, 16.5650, 3.0468



24.6512, 16.5650, 96.5058



16.2320, 16.5650, 0.0000

Square

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



24.6512, 16.5650, 96.5058



34.5602, 16.5650, 3.8383



9.2923, 16.5650, 0.0000



5.4092, 16.5650, 49.8079

Rectangle

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



24.6512, 16.5650, 96.5058



37.3033, 16.5650, 29.0940



9.2923, 16.5650, 0.0000



4.6693, 16.5650, 10.2097

Sweetspot

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



24.6521, 16.5653, 96.5059



63.6261, 63.4473, 103.5008



52.7082, 78.5996, 87.6014



12.9293, 12.7713, 22.0336



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.



24.6521, 16.5653, 96.5059



20.3437, 10.8692, 95.6335



30.8639, 17.1719, 96.2955



17.1858, 17.7433, 22.7690



9.7560, 4.4215, 49.7738



1.0048, 0.5402, 4.8646

Inverse Universe

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



45.5144, 26.5762, 13.3204



42.6268, 22.6916, 6.5294



57.5231, 82.6078, 18.8764



18.1017, 18.0240, 19.1527



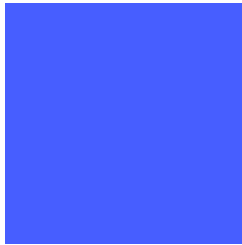
21.7126, 11.1743, 1.8709



2.1418, 1.0991, 0.3280

Previews

White Background



This preview shows how the XYZ color 24.6512, 16.5650, 96.5058 looks on a white background.

Color Contrast Check

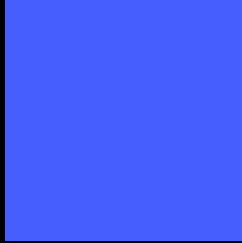
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.6512, 16.5650, 96.5058 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

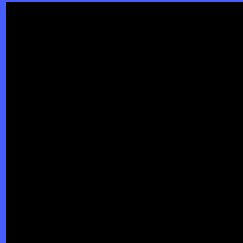
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.6512, 16.5650, 96.5058

Background



This preview shows how black text looks on a background with the XYZ color 24.6512, 16.5650, 96.5058.



This preview shows how white text looks on a background with the XYZ color 24.6512, 16.5650,

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

24.6512, 16.5650, 96.5058

Protanopia

19.5054, 16.3823, 76.2628

Deuteranopia

16.0945, 16.2470, 54.5123



Tritanopia

11.5673, 16.3607, 24.7386

Trichromacy



Original Color

24.6512, 16.5650, 96.5058

Protanomaly

20.7089, 16.0932, 82.9037

Deuteranomaly

18.2081, 15.7448, 67.7250

Tritanomaly

14.3791, 15.4286, 43.8151

Monochromacy



Original Color

24.6512, 16.5650, 96.5058

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

15.5130, 14.1726, 35.1757

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.6512, 16.5650, 96.5058 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(71, 94, 255)` looks like.

```
.text, #text, p{  
  color:rgb(71, 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(71, 94, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 94, 255) }
```

Border

The CSS property to change the border of an element to XYZ 24.6512, 16.5650, 96.5058 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(71, 94, 255) }
```


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

```
.border{ border-color:rgb(71, 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(71, 94, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 94, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 94, 255);  
box-shadow:4px 4px 4px 4px rgb(71, 94,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 24.6512, 16.5650, 96.5058 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 94, 255) }
```

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

```
.background{ background-color: rgb(71, 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](#).

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