

Converting Colors

XYZ(24.7709, 16.1776, 96.4248)

Have a look what the booklet for
XYZ(24.7709, 16.1776, 96.4248)
contains.

XYZ(24.8517, 16.2800, 96.4403)	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(24.8517, 16.2800,
96.4403)**

Conversions

Conversions Part 1

Format	Color
Hex	4D5BFF
RGB	77, 91, 255
RGB Percent	30%, 36%, 100%
CMY	0.6980, 0.6431, 0.0000
CMYK	0.70, 0.64, 0.00, 0.00
HSL	235°, 100%, 65%
HSV	235°, 70%, 100%
XYZ	24.8517, 16.2800, 96.4403
YIQ	105.5100, -60.9880, 48.0360

Conversions

Conversions Part 2

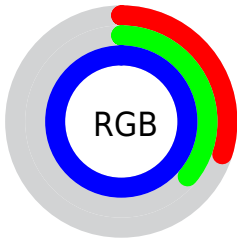
Format	Color
RYB	77, 90, 255
Decimal	5069823
CIELab	47.34, 46.71, -82.87
CIELCh	47, 95.123, 299.409
Yxy	16.2800, 0.1806, 0.1183
Android (android.graphics.Color)	4283259903 (0xFF4D5BFF)
YUV	105.5100, 73.6986, -25.0033
Hunter-Lab	40.3485, 39.3330, -113.4701

Details

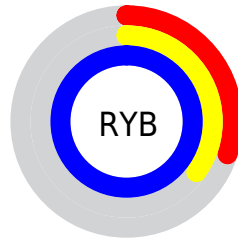
The XYZ color **24.8517, 16.2800, 96.4403** is a dark color, and the websafe version is hex **6666FF**. The color can be described as middle washed blue. A complement of this color would be **74.0390, 84.7140, 19.4725**, and the grayscale version is **13.3846, 14.0817, 15.3350**.

A 20% lighter version of the original color is **39.5771, 32.6770, 98.8291**, and **11.0164, 5.9080, 53.3830** is the 20% darker color. If you saturate the color by 10%, you get **21.4784, 12.0116, 95.7942**, and if you desaturate by 10%, it is **29.6610, 22.2215, 97.3336**.

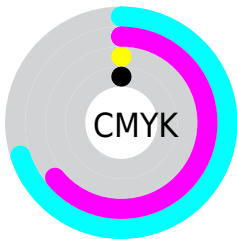
Distribution



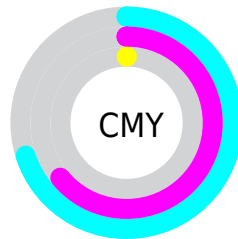
- Red (30%)
- Green (36%)
- Blue (100%)



- Red (30%)
- Yellow (35%)
- Blue (100%)



- Cyan (70%)
- Magenta (64%)
- Yellow (0%)
- Black (0%)



- Cyan (70%)
- Magenta (64%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.8517, 16.2800, 96.4403 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 24.8517, 16.2800, 96.4403 by changing the saturation by 10% instead.

■ 24.8517, 16.2800,
96.4403

■ 24.8517, 16.2800,
96.4403

269.4599,
230.9883, 569.8674

■ 16.0947, 9.7225,
72.7308

■ 50.8612, 37.0836,
158.2656

■ 9.6825, 5.2154,
53.2654

■ 68.8444, 52.0985,
197.2185

■ 5.2496, 2.3742,
37.6255

■ 90.6337, 70.7014,
242.0896

■ 2.4307, 0.8126,
25.3926

■ 116.5946, 93.2765,
293.2975

■ 0.8604, 0.0000,
16.1481

■ 147.0922,
120.2084, 351.2607

■ 0.0000, 0.0000,
9.4735

182.4921,

■ 0.0000, 0.0000,

151.8814, 416.3977

4.9503

223.1595,
188.6799, 489.1271

■ 0.0000, 0.0000,
2.1599

■ 0.0000, 0.0000,
0.6511

■ 24.8517, 16.2800,
96.4403

■ 24.8517, 16.2800,
96.4403

■ 21.4784, 12.0116,
95.7942

■ 29.6610, 22.2215,
97.3336

■ 19.3773, 9.2417,
95.3703

■ 36.0411, 29.9846,
98.4958

■ 18.3157, 7.7418,
95.1367

■ 44.1139, 39.7027,
99.9461

■ 18.3009, 7.7217,
95.1336

■ 53.9886, 51.4961,
101.7020

■ 65.7653, 65.4757,
103.7796

■ 79.5367, 81.7444,
106.1940

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.



15.3073, 16.2800, 116.0987



24.8517, 16.2800, 96.4403



33.9894, 16.2800, 53.2925

Triad

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



24.8517, 16.2800, 96.4403



25.2504, 16.2800, 0.0000



4.2810, 16.2800, 17.2523

Complementary

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



24.8517, 16.2800, 96.4403



74.0390, 84.7140, 19.4725

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.



5.3093, 16.2800, 3.0586



24.8517, 16.2800, 96.4403



15.6412, 16.2800, 0.0000

Square

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



24.8517, 16.2800, 96.4403



34.2723, 16.2800, 3.3225



8.8130, 16.2800, 0.0000



5.2279, 16.2800, 51.5861

Rectangle

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



24.8517, 16.2800, 96.4403



37.4381, 16.2800, 27.6758



8.8130, 16.2800, 0.0000



4.3987, 16.2800, 10.5026

Sweetspot

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



24.8525, 16.2803, 96.4403



64.2477, 63.6782, 103.5127



54.5746, 79.3995, 95.0180



13.0278, 12.7716, 22.0285



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.



24.8525, 16.2803, 96.4403



20.4511, 10.6766, 95.5906



33.4994, 19.1253, 96.5337



17.1177, 17.6070, 22.7462



9.6028, 4.1151, 49.7228



0.9727, 0.4761, 4.8539

Inverse Universe

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



45.7830, 27.3247, 12.7585



42.7805, 23.1338, 6.1647



56.1181, 81.8602, 19.8662



18.0673, 18.0102, 18.9715



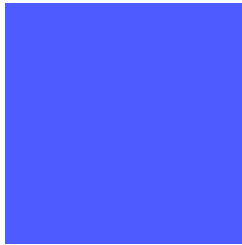
21.6352, 11.1434, 1.4636



2.1256, 1.0926, 0.2427

Previews

White Background



This preview shows how the XYZ color 24.8517, 16.2800, 96.4403 looks on a white background.

Color Contrast Check

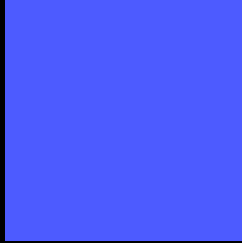
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.8517, 16.2800, 96.4403 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

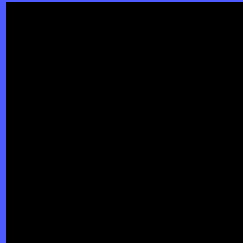
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.8517, 16.2800, 96.4403

Background



This preview shows how black text looks on a background with the XYZ color 24.8517, 16.2800, 96.4403.



This preview shows how white text looks on a background with the XYZ color 24.8517, 16.2800,

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

24.8517, 16.2800, 96.4403

Protanopia

19.1228, 16.0614, 74.7653

Deuteranopia

15.8676, 15.9748, 53.8769



Tritanopia

11.3725, 16.0812, 24.3344

Trichromacy



Original Color

24.8517, 16.2800, 96.4403

Protanomaly

20.4186, 15.6687, 82.0689

Deuteranomaly

18.1573, 15.5647, 67.6929

Tritanomaly

14.2089, 15.0095, 43.7432

Monochromacy



Original Color

24.8517, 16.2800, 96.4403

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

15.7182, 14.2783, 35.1853

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.8517, 16.2800, 96.4403 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(77, 91, 255)` looks like.

```
.text, #text, p{  
    color:rgb(77, 91, 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(77, 91, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 91, 255) }
```

Border

The CSS property to change the border of an element to XYZ 24.8517, 16.2800, 96.4403 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(77, 91, 255) }
```


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

```
.border{ border-color:rgb(77, 91, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 91, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 91, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 91, 255);  
box-shadow:4px 4px 4px 4px rgb(77, 91,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 24.8517, 16.2800, 96.4403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 91, 255) }
```

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

```
.background{ background-color: rgb(77, 91,  
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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