

Converting Colors

XYZ(24.8758, 16.3880, 96.4598)

Have a look what the booklet for
XYZ(24.8758, 16.3880, 96.4598)
contains.

XYZ(24.9377, 16.4521, 96.4689)	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(24.9377, 16.4521,
96.4689)**

Conversions

Conversions Part 1

Format	Color
Hex	4D5CFF
RGB	77, 92, 255
RGB Percent	30%, 36%, 100%
CMY	0.6980, 0.6392, 0.0000
CMYK	0.70, 0.64, 0.00, 0.00
HSL	235°, 100%, 65%
HSV	235°, 70%, 100%
XYZ	24.9377, 16.4521, 96.4689
YIQ	106.0970, -61.2630, 47.5130

Conversions

Conversions Part 2

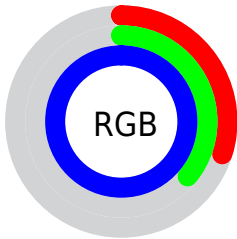
Format	Color
R _Y B	77, 91, 255
Decimal	5070079
CIE Lab	47.56, 46.12, -82.50
CIE LCh	48, 94.516, 299.205
Yxy	16.4521, 0.1809, 0.1193
Android (android.graphics.Color)	4283260159 (0xFF4D5CFF)
YUV	106.0970, 73.4092, -25.5181
Hunter-Lab	40.5612, 38.7627, -112.6198

Details

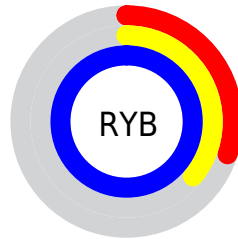
The XYZ color **24.9377, 16.4521, 96.4689** is a dark color, and the websafe version is hex **6666FF**. The color can be described as middle washed blue. A complement of this color would be **73.7435, 84.1231, 19.3739**, and the grayscale version is **13.5446, 14.2500, 15.5182**.

A 20% lighter version of the original color is **39.7265, 32.9759, 98.8789**, and **11.0550, 5.9852, 53.3959** is the 20% darker color. If you saturate the color by 10%, you get **21.5476, 12.1501, 95.8173**, and if you desaturate by 10%, it is **29.7586, 22.4167, 97.3661**.

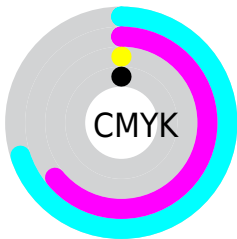
Distribution



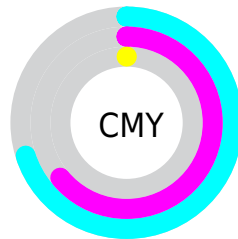
- Red (30%)
- Green (36%)
- Blue (100%)



- Red (30%)
- Yellow (36%)
- 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 24.9377, 16.4521, 96.4689 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 24.9377, 16.4521, 96.4689 by changing the saturation by 10% instead.


 24.9377, 16.4521,
96.4689


 24.9377, 16.4521,
96.4689


269.8809,
231.9949, 569.9609


 16.1591, 9.8446,
72.7545

 50.9998, 37.3813,
158.3054


 9.7284, 5.2961,
53.2847


 69.0140, 52.4718,
197.2646

 5.2801, 2.4220,
37.6408


 90.8374, 71.1589,
242.1424

 2.4490, 0.8372,
25.4043

 116.8355, 93.8267,
293.3575

 0.8696, 0.0000,
16.1568

147.3735,
120.8599, 351.3284

 0.0000, 0.0000,
9.4796

182.8168,

 0.0000, 0.0000,

152.6427, 416.4735

4.9543

223.5309,
189.5596, 489.2115

■ 0.0000, 0.0000,
2.1622

■ 0.0000, 0.0000,
0.6524

■ 24.9377, 16.4521,
96.4689

■ 24.9377, 16.4521,
96.4689

■ 21.5476, 12.1501,
95.8173

■ 29.7586, 22.4167,
97.3661

■ 19.4259, 9.3391,
95.3865

■ 36.1437, 30.1899,
98.5300

■ 18.3422, 7.7949,
95.1456

■ 44.2140, 39.9031,
99.9795

■ 18.3269, 7.7739,
95.1423

■ 54.0779, 51.6748,
101.7318

■ 65.8345, 65.6143,
103.8027

■ 79.5759, 81.8231,
106.2071

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.



15.4139, 16.4521, 115.7116



24.9377, 16.4521, 96.4689



34.0657, 16.4521, 53.6615

Triad

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



24.9377, 16.4521, 96.4689



25.4721, 16.4521, 0.0569



4.3953, 16.4521, 17.2784

Complementary

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



24.9377, 16.4521, 96.4689



73.7435, 84.1231, 19.3739

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.



5.4481, 16.4521, 3.1200



24.9377, 16.4521, 96.4689



15.8627, 16.4521, 0.0000

Square

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



24.9377, 16.4521, 96.4689



34.4442, 16.4521, 3.4803



8.9952, 16.4521, 0.0000



5.3378, 16.4521, 51.3811

Rectangle

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



24.9377, 16.4521, 96.4689



37.5301, 16.4521, 28.0718



8.9952, 16.4521, 0.0000



4.5187, 16.4521, 10.5596

Sweetspot

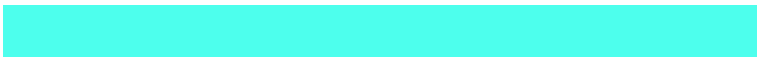
The Sweet Spot groups the original color and five complimentary colors.



24.9386, 16.4524, 96.4690



64.3201, 63.8230, 103.5368



54.1369, 79.2244, 92.7134



13.0446, 12.8052, 22.0341



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.



24.9386, 16.4524, 96.4690



20.5121, 10.7986, 95.6110



32.9548, 18.8445, 96.5082



17.1259, 17.6235, 22.7490



9.6184, 4.1463, 49.7280



0.9766, 0.4839, 4.8552

Inverse Universe

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



45.8264, 27.3420, 12.9873



42.8112, 23.1462, 6.3269



56.8203, 82.2222, 19.8990



18.0715, 18.0119, 18.9934



21.6431, 11.1465, 1.5051



2.1275, 1.0934, 0.2531

Previews

White Background



This preview shows how the XYZ color 24.9377, 16.4521, 96.4689 looks on a white background.

Color Contrast Check

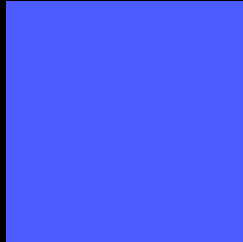
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.9377, 16.4521, 96.4689 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 24.9377, 16.4521, 96.4689

Background



This preview shows how black text looks on a background with the XYZ color 24.9377, 16.4521, 96.4689.



This preview shows how white text looks on a background with the XYZ color 24.9377, 16.4521,

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

24.9377, 16.4521, 96.4689

Protanopia

19.3662, 16.3266, 75.5294

Deuteranopia

16.0945, 16.2470, 54.5123



Tritanopia

11.4413, 16.1088, 24.6966

Trichromacy



Original Color

24.9377, 16.4521, 96.4689

Protanomaly

20.6629, 15.9227, 82.8732

Deuteranomaly

18.2610, 15.7720, 67.7275

Tritanomaly

14.2089, 15.0095, 43.7432

Monochromacy



Original Color

24.9377, 16.4521, 96.4689

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 24.9377, 16.4521, 96.4689 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, 92, 255)` looks like.

```
.text, #text, p{  
    color:rgb(77, 92, 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, 92, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 92, 255) }
```

Border

The CSS property to change the border of an element to XYZ 24.9377, 16.4521, 96.4689 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, 92, 255) }
```


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

```
.border{ border-color:rgb(77, 92, 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, 92, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 92, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 92, 255);  
box-shadow:4px 4px 4px 4px rgb(77, 92,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 24.9377, 16.4521, 96.4689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 92, 255) }
```

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

```
.background{ background-color: rgb(77, 92,  
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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