

Converting Colors

XYZ(24.5000, 18.6822, 96.9225)

Have a look what the booklet for
XYZ(24.5000, 18.6822, 96.9225)
contains.

XYZ(24.4735, 18.6495, 96.9176)	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(24.4735, 18.6495,
96.9176)**

Conversions

Conversions Part 1

Format	Color
Hex	2A6DFF
RGB	42, 109, 255
RGB Percent	16%, 43%, 100%
CMY	0.8352, 0.5726, 0.0000
CMYK	0.84, 0.57, 0.00, 0.00
HSL	221°, 100%, 58%
HSV	221°, 84%, 100%
XYZ	24.4735, 18.6495, 96.9176
YIQ	105.6110, -86.7980, 31.2020

Conversions

Conversions Part 2

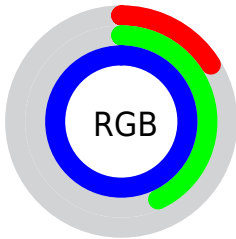
Format	Color
RYP	42, 93, 255
Decimal	2780671
CIELab	50.27, 32.43, -78.12
CIElCh	50, 84.584, 292.543
Yxy	18.6495, 0.1748, 0.1332
Android (android.graphics.Color)	4280970751 (0xFF2A6DFF)
YUV	105.6110, 73.6488, -55.7868
Hunter-Lab	43.1851, 25.5842, -102.8314

Details

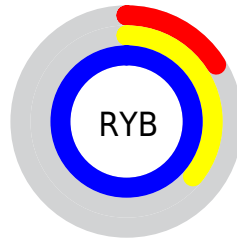
The XYZ color **24.4735, 18.6495, 96.9176** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed azure. A complement of this color would be **59.6468, 57.4042, 10.1291**, and the grayscale version is **13.4181, 14.1169, 15.3733**.

A 20% lighter version of the original color is **39.0783, 36.7216, 99.6361**, and **11.8556, 7.5862, 53.6628** is the 20% darker color. If you saturate the color by 10%, you get **22.0583, 14.9060, 96.3223**, and if you desaturate by 10%, it is **27.9232, 23.4767, 97.6675**.

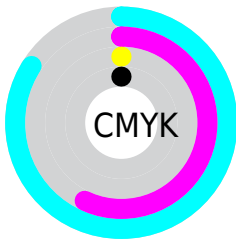
Distribution



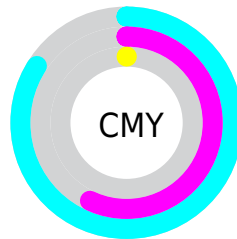
- Red (16%)
- Green (43%)
- Blue (100%)



- Red (16%)
- Yellow (36%)
- Blue (100%)



- Cyan (84%)
- Magenta (57%)
- Yellow (0%)
- Black (0%)



- Cyan (84%)
- Magenta (57%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.4735, 18.6495, 96.9176 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 24.4735, 18.6495, 96.9176 by changing the saturation by 10% instead.

■ 24.4735, 18.6495,
96.9176

■ 24.4735, 18.6495,
96.9176

267.6019,
244.5069, 571.4263

■ 15.8119, 11.4173,
73.1263

■ 50.2509, 41.1410,
158.9295

■ 9.4811, 6.3482,
53.5868

■ 68.0973, 57.1691,
197.9872

■ 5.1159, 3.0580,
37.8805

■ 89.7360, 76.8979,
242.9708

■ 2.3509, 1.1621,
25.5889

■ 115.5325,
100.7118, 294.2989

■ 0.8205, 0.0304,
16.2933

145.8519,
128.9953, 352.3899

■ 0.0000, 0.0000,
9.5753

181.0597,

■ 0.0000, 0.0000,

162.1327, 417.6625

5.0164

221.5213,
200.5085, 490.5351

■ 0.0000, 0.0000,
2.1980

■ 0.0000, 0.0000,
0.6732

■ 24.4735, 18.6495,
96.9176

■ 24.4735, 18.6495,
96.9176

■ 22.0583, 14.9060,
96.3223

■ 27.9232, 23.4767,
97.6675

■ 20.9327, 12.9853,
96.0109

■ 32.5340, 29.4832,
98.5838

■ 38.4148, 36.7529,
99.6771

■ 45.6604, 45.3608,
100.9567

■ 54.3560, 55.3754,
102.4314

■ 64.5792, 66.8601,
104.1093

■ 76.4024, 79.8743,
105.9982

■ 89.8927, 94.4737,
108.1051

■ 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.



15.7599, 18.6495, 105.8661



24.4735, 18.6495, 96.9176



33.3928, 18.6495, 61.9294

Triad

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



24.4735, 18.6495, 96.9176



29.1295, 18.6495, 1.4241



6.2485, 18.6495, 14.9981

Complementary

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



24.4735, 18.6495, 96.9176



59.6468, 57.4042, 10.1291

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.



7.9344, 18.6495, 3.3750



24.4735, 18.6495, 96.9176



19.8487, 18.6495, 0.1966

Square

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



24.4735, 18.6495, 96.9176



36.6077, 18.6495, 7.4601



12.3486, 18.6495, 0.5984



6.7978, 18.6495, 42.9647

Rectangle

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



24.4735, 18.6495, 96.9176



37.3882, 18.6495, 37.0600



12.3486, 18.6495, 0.5984



6.5486, 18.6495, 9.5601

Sweetspot

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



24.4744, 18.6499, 96.9176



62.9671, 65.0654, 103.8479



45.7453, 75.6245, 59.5132



12.6881, 13.0432, 22.0988



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.



24.4744, 18.6499, 96.9176



20.9327, 12.9853, 96.0109



22.2781, 10.6300, 95.4854



17.4691, 18.3098, 22.8634



11.0549, 7.0194, 50.2068



1.1693, 0.8693, 4.9194

Inverse Universe

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



44.8291, 24.0217, 16.7417



42.6950, 21.8420, 9.5921



64.4838, 86.2793, 15.4476



18.2447, 18.0812, 19.9056



22.3682, 11.4366, 5.3234



2.2248, 1.1323, 0.7653

Previews

White Background



This preview shows how the XYZ color 24.4735, 18.6495, 96.9176 looks on a white background.

Color Contrast Check

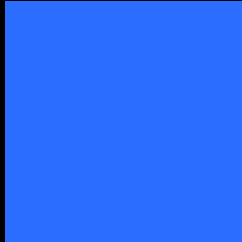
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.4735, 18.6495, 96.9176 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

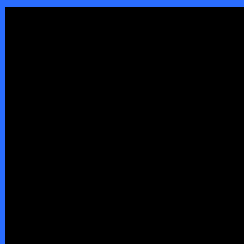
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

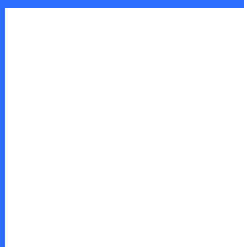
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.4735, 18.6495, 96.9176

Background



This preview shows how black text looks on a background with the XYZ color 24.4735, 18.6495, 96.9176.



This preview shows how white text looks on a background with the XYZ color 24.4735, 18.6495,

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

24.4735, 18.6495, 96.9176

Protanopia

22.0443, 18.4454, 86.4029

Deuteranopia

18.4682, 18.5225, 62.9234



Tritanopia

12.9849, 18.3960, 27.6773

Trichromacy



Original Color

24.4735, 18.6495, 96.9176

Protanomaly

22.7797, 18.4053, 90.3476

Deuteranomaly

20.2858, 18.3151, 74.4175

Tritanomaly

15.8482, 17.8943, 46.8746

Monochromacy



Original Color

24.4735, 18.6495, 96.9176

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

15.1701, 14.8925, 35.3327

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.4735, 18.6495, 96.9176 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(42, 109, 255)` looks like.

```
.text, #text, p{  
    color:rgb(42, 109, 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(42, 109, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 109, 255) }
```

Border

The CSS property to change the border of an element to XYZ 24.4735, 18.6495, 96.9176 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(42, 109, 255) }
```


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

```
.border{ border-color:rgb(42, 109, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 109, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 109, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 109, 255);  
box-shadow:4px 4px 4px 4px rgb(42, 109,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 24.4735, 18.6495, 96.9176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 109, 255) }
```

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

```
.background{ background-color: rgb(42, 109,  
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