

Converting Colors

XYZ(24.7017, 18.4968, 96.8761)

Have a look what the booklet for
XYZ(24.7017, 18.4968, 96.8761)
contains.

XYZ(24.6729, 18.4392, 96.8665)	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(24.6729, 18.4392,
96.8665)**

Conversions

Conversions Part 1

Format	Color
Hex	336BFF
RGB	51, 107, 255
RGB Percent	20%, 42%, 100%
CMY	0.7999, 0.5804, 0.0000
CMYK	0.80, 0.58, 0.00, 0.00
HSL	224°, 100%, 60%
HSV	224°, 80%, 100%
XYZ	24.6729, 18.4392, 96.8665
YIQ	107.1280, -80.8840, 34.1560

Conversions

Conversions Part 2

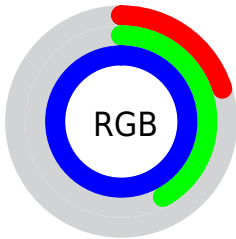
Format	Color
R _Y B	51, 95, 255
Decimal	3369983
CIE Lab	50.02, 34.37, -78.52
CIE LCh	50, 85.710, 293.639
Yxy	18.4392, 0.1763, 0.1317
Android (android.graphics.Color)	4281560063 (0xFF336BFF)
YUV	107.1280, 72.9009, -49.2243
Hunter-Lab	42.9409, 27.4157, -103.6884

Details

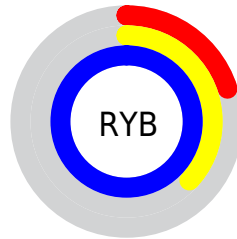
The XYZ color **24.6729, 18.4392, 96.8665** is a dark color, and the websafe version is hex **3366FF**. The color can be described as middle washed azure. A complement of this color would be **62.2655, 62.3542, 11.8878**, and the grayscale version is **13.8327, 14.5530, 15.8483**.

A 20% lighter version of the original color is **39.3301, 36.3408, 99.5493**, and **11.7468, 7.3687, 53.6265** is the 20% darker color. If you saturate the color by 10%, you get **21.9945, 14.4948, 96.2463**, and if you desaturate by 10%, it is **28.4690, 23.5723, 97.6572**.

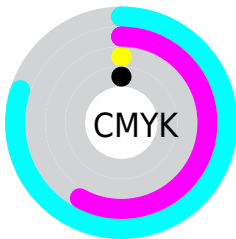
Distribution



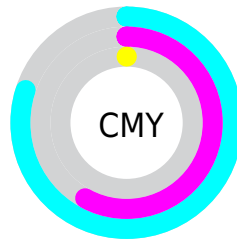
- Red (20%)
- Green (42%)
- Blue (100%)



- Red (20%)
- Yellow (37%)
- Blue (100%)



- Cyan (80%)
- Magenta (58%)
- Yellow (0%)
- Black (0%)



- Cyan (80%)
- Magenta (58%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.6729, 18.4392, 96.8665 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 24.6729, 18.4392, 96.8665 by changing the saturation by 10% instead.

■ 24.6729, 18.4392,
96.8665

■ 24.6729, 18.4392,
96.8665

268.5828,
243.3351, 571.2595

■ 15.9610, 11.2658,
73.0840

■ 50.5728, 40.7843,
158.8584

■ 9.5872, 6.2459,
53.5524

■ 68.4915, 56.7248,
197.9049

■ 5.1863, 2.9952,
37.8532

■ 90.2097, 76.3563,
242.8765

■ 2.3928, 1.1292,
25.5678

■ 116.0930,
100.0635, 294.1917

■ 0.8415, 0.0027,
16.2777

146.5066,
128.2305, 352.2691

■ 0.0000, 0.0000,
9.5644

181.8158,

■ 0.0000, 0.0000,

161.2419, 417.5271

5.0093

222.3861,
199.4819, 490.3845

■ 0.0000, 0.0000,
2.1939

■ 0.0000, 0.0000,
0.6708

■ 24.6729, 18.4392,
96.8665

■ 24.6729, 18.4392,
96.8665

■ 21.9945, 14.4948,
96.2463

■ 28.4690, 23.5723,
97.6572

■ 20.2402, 11.6000,
95.7800

■ 33.5052, 29.9932,
98.6311

■ 20.2391, 11.5983,
95.7797

■ 39.8891, 37.7907,
99.7997

■ 47.7153, 47.0443,
101.1733

■ 57.0696, 57.8273,
102.7616

■ 68.0305, 70.2076,
104.5736

■ 80.6713, 84.2489,
106.6176

■ 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.



15.8294, 18.4392, 107.2873



24.6729, 18.4392, 96.8665



33.6206, 18.4392, 60.7522

Triad

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



24.6729, 18.4392, 96.8665



28.6901, 18.4392, 1.2249



6.0289, 18.4392, 15.4601

Complementary

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



24.6729, 18.4392, 96.8665



62.2655, 62.3542, 11.8878

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.



7.6168, 18.4392, 3.4065



24.6729, 18.4392, 96.8665



19.3395, 18.4392, 0.0746

Square

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



24.6729, 18.4392, 96.8665



36.4026, 18.4392, 6.8304



11.9124, 18.4392, 0.5405



6.6538, 18.4392, 44.3036

Rectangle

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



24.6729, 18.4392, 96.8665



37.5333, 18.4392, 35.7529



11.9124, 18.4392, 0.5405



6.2999, 18.4392, 9.8203

Sweetspot

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



24.6738, 18.4396, 96.8665



63.4409, 65.0510, 103.8201



47.2277, 76.2649, 65.1780



12.7531, 12.9894, 22.0850



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.



24.6738, 18.4396, 96.8665



20.8585, 12.6475, 95.9496



23.9761, 12.0335, 95.6668



17.4087, 18.1889, 22.8432



10.6814, 6.2724, 50.0823



1.1265, 0.7838, 4.9052

Inverse Universe

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



45.0784, 24.6907, 16.2997



42.7039, 22.0227, 9.0926



63.1657, 85.5791, 16.3232



18.2142, 18.0690, 19.7450



22.1797, 11.3612, 4.3306



2.2032, 1.1237, 0.6517

Previews

White Background



This preview shows how the XYZ color 24.6729, 18.4392, 96.8665 looks on a white background.

Color Contrast Check

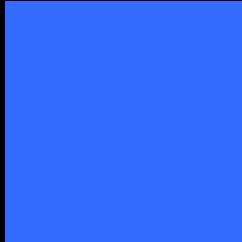
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.6729, 18.4392, 96.8665 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

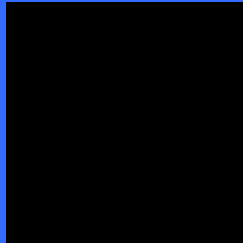
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 24.6729, 18.4392, 96.8665

Background



This preview shows how black text looks on a background with the XYZ color 24.6729, 18.4392, 96.8665.



This preview shows how white text looks on a background with the XYZ color 24.6729, 18.4392,

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

24.6729, 18.4392, 96.8665

Protanopia

21.8945, 18.3855, 85.6139

Deuteranopia

18.0999, 18.1797, 61.5866



Tritanopia

12.8499, 18.1260, 27.6324

Trichromacy



Original Color

24.6729, 18.4392, 96.8665

Protanomaly

22.5876, 18.1611, 89.5037

Deuteranomaly

19.9685, 18.0110, 72.9450

Tritanomaly

15.6716, 17.4349, 46.7953

Monochromacy



Original Color

24.6729, 18.4392, 96.8665

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

15.6212, 15.1148, 35.8123

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.6729, 18.4392, 96.8665 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(51, 107, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 107, 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(51, 107, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 107, 255) }
```

Border

The CSS property to change the border of an element to XYZ 24.6729, 18.4392, 96.8665 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(51, 107, 255) }
```


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

```
.border{ border-color:rgb(51, 107, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 107, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 107, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 107, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 107,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 24.6729, 18.4392, 96.8665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 107, 255) }
```

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

```
.background{ background-color: rgb(51, 107,  
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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