

Converting Colors

XYZ(24.4211, 17.9355, 96.7825)

Have a look what the booklet for
XYZ(24.4211, 17.9355, 96.7825)
contains.

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Color

**XYZ(24.4668, 18.0270,
96.7978)**

Conversions

Conversions Part 1

Format	Color
Hex	3369FF
RGB	51, 105, 255
RGB Percent	20%, 41%, 100%
CMY	0.7999, 0.5882, 0.0000
CMYK	0.80, 0.59, 0.00, 0.00
HSL	224°, 100%, 60%
HSV	224°, 80%, 100%
XYZ	24.4668, 18.0270, 96.7978
YIQ	105.9540, -80.3340, 35.2020

Conversions

Conversions Part 2

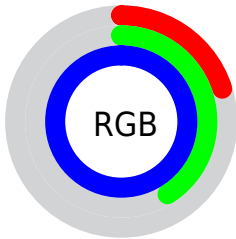
Format	Color
R_{YB}	51, 94, 255
Decimal	3369471
CIE _{Lab}	49.53, 35.61, -79.33
CIE _{LCh}	50, 86.955, 294.177
Yxy	18.0270, 0.1757, 0.1294
Android (android.graphics.Color)	4281559551 (0xFF3369FF)
YUV	105.9540, 73.4797, -48.1947
Hunter-Lab	42.4582, 28.5598, -105.4508

Details

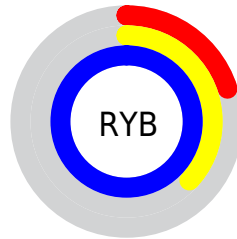
The XYZ color **24.4668, 18.0270, 96.7978** is a dark color, and the websafe version is hex **3366FF**. The color can be described as middle washed azure. A complement of this color would be **62.7287, 63.2807, 12.0422**, and the grayscale version is **13.5098, 14.2134, 15.4784**.

A 20% lighter version of the original color is **38.9917, 35.6641, 99.4365**, and **11.6420, 7.1591, 53.5916** is the 20% darker color. If you saturate the color by 10%, you get **21.8114, 14.1286, 96.1852**, and if you desaturate by 10%, it is **28.2483, 23.1309, 97.5836**.

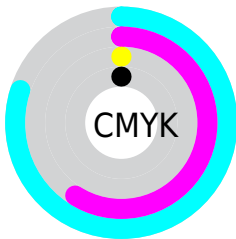
Distribution



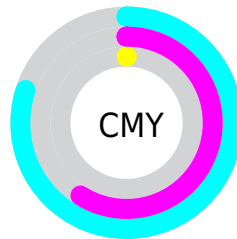
- Red (20%)
- Green (41%)
- Blue (100%)



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



- Cyan (80%)
- Magenta (59%)
- Yellow (0%)
- Black (0%)



- Cyan (80%)
- Magenta (59%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.4668, 18.0270, 96.7978 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 24.4668, 18.0270, 96.7978 by changing the saturation by 10% instead.

■ 24.4668, 18.0270,
96.7978

■ 24.4668, 18.0270,
96.7978

267.5689,
241.0232, 571.0353

■ 15.8069, 10.9694,
73.0271

■ 50.2400, 40.0833,
158.7629

■ 9.4776, 6.0462,
53.5061

■ 68.0840, 55.8508,
197.7943

■ 5.1136, 2.8732,
37.8165

■ 89.7201, 75.2904,
242.7497

■ 2.3495, 1.0659,
25.5396

■ 115.5136, 98.7864,
294.0476

■ 0.8198, 0.0000,
16.2568

145.8299,
126.7233, 352.1066

■ 0.0000, 0.0000,
9.5498

181.0343,

■ 0.0000, 0.0000,

159.4855, 417.3452

4.9998

221.4922,
197.4573, 490.1819

■ 0.0000, 0.0000,
2.1884

■ 0.0000, 0.0000,
0.6677

■ 24.4668, 18.0270,
96.7978

■ 24.4668, 18.0270,
96.7978

■ 21.8114, 14.1286,
96.1852

■ 28.2483, 23.1309,
97.5836

■ 20.0870, 11.2937,
95.7289

■ 33.2795, 29.5419,
98.5559

■ 20.0860, 11.2921,
95.7287

■ 39.6691, 37.3507,
99.7264

■ 47.5127, 46.6391,
101.1058

■ 56.8969, 57.4819,
102.7041

■ 67.9011, 69.9487,
104.5304

■ 80.5992, 84.1048,
106.5935

■ 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.



15.5783, 18.0270, 108.0478



24.4668, 18.0270, 96.7978



33.4347, 18.0270, 59.8962

Triad

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



24.4668, 18.0270, 96.7978



28.1650, 18.0270, 1.0430



5.7205, 18.0270, 15.3801

Complementary

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



24.4668, 18.0270, 96.7978



62.7287, 63.2807, 12.0422

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.



7.2394, 18.0270, 3.2575



24.4668, 18.0270, 96.7978



18.7902, 18.0270, 0.0000

Square

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



24.4668, 18.0270, 96.7978



36.0048, 18.0270, 6.3029



11.4358, 18.0270, 0.4242



6.3725, 18.0270, 44.6555

Rectangle

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



24.4668, 18.0270, 96.7978



37.3140, 18.0270, 34.7602



11.4358, 18.0270, 0.4242



5.9734, 18.0270, 9.6829

Sweetspot

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



24.4677, 18.0274, 96.7978



63.2925, 64.7541, 103.7707



47.6223, 76.4227, 67.2559



12.7181, 12.9194, 22.0733



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.



24.4677, 18.0274, 96.7978



20.6927, 12.3158, 95.8943



24.3381, 12.2201, 95.6837



17.3939, 18.1594, 22.8383



10.5985, 6.1066, 50.0547



1.1168, 0.7642, 4.9019

Inverse Universe

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



44.9744, 24.6491, 15.7519



42.6202, 21.9892, 8.6518



62.2031, 85.0829, 16.2782



18.2067, 18.0660, 19.7057



22.1378, 11.3444, 4.1103



2.1983, 1.1217, 0.6257

Previews

White Background



This preview shows how the XYZ color 24.4668, 18.0270, 96.7978 looks on a white background.

Color Contrast Check

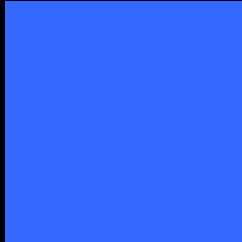
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.4668, 18.0270, 96.7978 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 24.4668, 18.0270, 96.7978

Background



This preview shows how black text looks on a background with the XYZ color 24.4668, 18.0270, 96.7978.



This preview shows how white text looks on a background with the XYZ color 24.4668, 18.0270,

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

24.4668, 18.0270, 96.7978

Protanopia

21.2268, 17.7614, 83.1984

Deuteranopia

17.7359, 17.8407, 60.2664



Tritanopia

12.5701, 17.8002, 26.8180

Trichromacy



Original Color

24.4668, 18.0270, 96.7978

Protanomaly

22.0663, 17.6074, 87.8235

Deuteranomaly

19.7186, 17.7276, 72.1945

Tritanomaly

15.4464, 17.1494, 46.2121

Monochromacy



Original Color

24.4668, 18.0270, 96.7978

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

15.3369, 14.8246, 35.3108

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.4668, 18.0270, 96.7978 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, 105, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 105, 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, 105, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 105, 255) }
```

Border

The CSS property to change the border of an element to XYZ 24.4668, 18.0270, 96.7978 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, 105, 255) }
```


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

```
.border{ border-color:rgb(51, 105, 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, 105, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 105, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 105, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 105,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 24.4668, 18.0270, 96.7978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 105, 255) }
```

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

```
.background{ background-color: rgb(51, 105,  
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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