

Converting Colors

XYZ(24.9232, 19.3006, 97.0195)

Have a look what the booklet for
XYZ(24.9232, 19.3006, 97.0195)
contains.

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Color

**XYZ(24.9709, 19.3892,
97.0341)**

Conversions

Conversions Part 1

Format	Color
Hex	2E70FF
RGB	46, 112, 255
RGB Percent	18%, 44%, 100%
CMY	0.8195, 0.5608, 0.0000
CMYK	0.82, 0.56, 0.00, 0.00
HSL	221°, 100%, 59%
HSV	221°, 82%, 100%
XYZ	24.9709, 19.3892, 97.0341
YIQ	108.5680, -85.2390, 30.4810

Conversions

Conversions Part 2

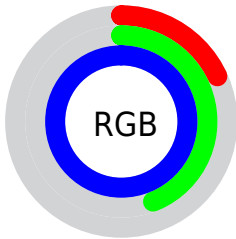
Format	Color
R _Y B	46, 96, 255
Decimal	3043583
CIE Lab	51.14, 30.84, -76.71
CIE LCh	51, 82.675, 291.903
Yxy	19.3892, 0.1766, 0.1371
Android (android.graphics.Color)	4281233663 (0xFF2E70FF)
YUV	108.5680, 72.1910, -54.8721
Hunter-Lab	44.0332, 24.1680, -99.8317

Details

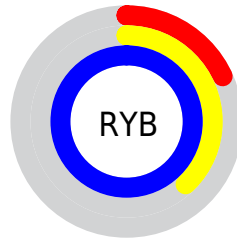
The XYZ color **24.9709, 19.3892, 97.0341** is a dark color, and the websafe version is hex **0066FF**. The color can be described as middle washed azure. A complement of this color would be **59.9358, 57.8619, 10.5965**, and the grayscale version is **14.2358, 14.9772, 16.3102**.

A 20% lighter version of the original color is **39.7514, 37.8500, 99.8184**, and **12.0263, 7.9276, 53.7197** is the 20% darker color. If you saturate the color by 10%, you get **22.4011, 15.4779, 96.4146**, and if you desaturate by 10%, it is **28.5965, 24.3984, 97.8099**.

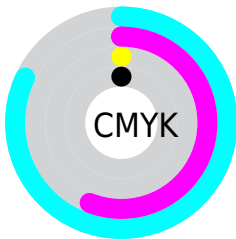
Distribution



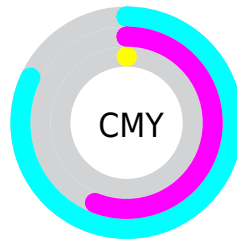
- Red (18%)
- Green (44%)
- Blue (100%)



- Red (18%)
- Yellow (38%)
- Blue (100%)



- Cyan (82%)
- Magenta (56%)
- Yellow (0%)
- Black (0%)



- Cyan (82%)
- Magenta (56%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.9709, 19.3892, 97.0341 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 24.9709, 19.3892, 97.0341 by changing the saturation by 10% instead.

■ 24.9709, 19.3892,
97.0341

■ 24.9709, 19.3892,
97.0341

270.0433,
248.5890, 571.8065

■ 16.1840, 11.9518,
73.2229

■ 51.0532, 42.3907,
159.0915

■ 9.7461, 6.7109,
53.6653

■ 69.0794, 58.7237,
198.1748

■ 5.2919, 3.2820,
37.9428

■ 90.9160, 78.7906,
243.1858

■ 2.4561, 1.2806,
25.6368

■ 116.9284,
102.9760, 294.5431

■ 0.8731, 0.1261,
16.3288

147.4820,
131.6641, 352.6653

■ 0.0000, 0.0000,
9.6003

182.9421,

■ 0.0000, 0.0000,

165.2394, 417.9709

5.0326

223.6741,
204.0862, 490.8785

■ 0.0000, 0.0000,
2.2073

■ 0.0000, 0.0000,
0.6786

■ 24.9709, 19.3892,
97.0341

■ 24.9709, 19.3892,
97.0341

■ 22.4011, 15.4779,
96.4146

■ 28.5965, 24.3984,
97.8099

■ 20.9560, 13.0320,
96.0187

■ 33.3999, 30.5983,
98.7534

■ 39.4878, 38.0711,
99.8750

■ 46.9529, 46.8905,
101.1838

■ 55.8791, 57.1238,
102.6886

■ 66.3431, 68.8336,
104.3973

■ 78.4161, 82.0784,
106.3175

■ 92.1648, 96.9135,
108.4563

■ 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.



16.2925, 19.3892, 105.0233



24.9709, 19.3892, 97.0341



33.8624, 19.3892, 63.1257

Triad

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



24.9709, 19.3892, 97.0341



29.9926, 19.3892, 1.7733



6.7976, 19.3892, 15.3597

Complementary

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



24.9709, 19.3892, 97.0341



59.9358, 57.8619, 10.5965

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.



8.5842, 19.3892, 3.6944



24.9709, 19.3892, 97.0341



20.7442, 19.3892, 0.4419

Square

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



24.9709, 19.3892, 97.0341



37.3106, 19.3892, 8.3341



13.1426, 19.3892, 0.8015



7.3156, 19.3892, 42.8802

Rectangle

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



24.9709, 19.3892, 97.0341



37.8877, 19.3892, 38.5103



13.1426, 19.3892, 0.8015



7.1236, 19.3892, 9.9473

Sweetspot

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



24.9718, 19.3896, 97.0342



62.9868, 65.1049, 103.8545



46.0538, 75.7678, 60.2410



12.6927, 13.0525, 22.1003



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.



24.9718, 19.3896, 97.0342



21.2840, 13.5933, 96.1097



22.7140, 11.0759, 95.5485



17.4710, 18.3135, 22.8640



11.0674, 7.0444, 50.2110



1.1707, 0.8721, 4.9199

Inverse Universe

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



45.1424, 24.3855, 17.6568



42.8955, 22.0108, 10.3748



64.7759, 86.4213, 15.8539



18.2456, 18.0816, 19.9106



22.3745, 11.4391, 5.3567



2.2255, 1.1326, 0.7691

Previews

White Background



This preview shows how the XYZ color 24.9709, 19.3892, 97.0341 looks on a white background.

Color Contrast Check

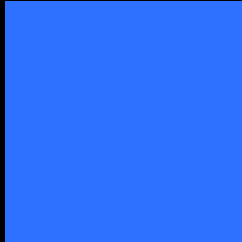
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.9709, 19.3892, 97.0341 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

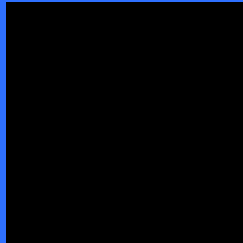
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

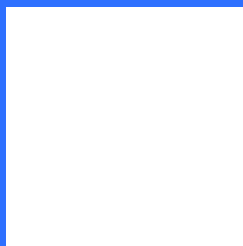
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.9709, 19.3892, 97.0341

Background



This preview shows how black text looks on a background with the XYZ color 24.9709, 19.3892, 97.0341.



This preview shows how white text looks on a background with the XYZ color 24.9709, 19.3892,

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

24.9709, 19.3892, 97.0341

Protanopia

23.0339, 19.2062, 90.4888

Deuteranopia

19.2179, 19.2194, 65.6476



Tritanopia

13.4830, 19.0334, 28.9498

Trichromacy



Original Color

24.9709, 19.3892, 97.0341

Protanomaly

23.6172, 19.2828, 92.9197

Deuteranomaly

20.9512, 19.1535, 75.9915

Tritanomaly

16.3438, 18.5016, 48.0572

Monochromacy



Original Color

24.9709, 19.3892, 97.0341

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

15.9353, 15.7389, 36.3805

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.9709, 19.3892, 97.0341 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(46, 112, 255)` looks like.

```
.text, #text, p{  
    color:rgb(46, 112, 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(46, 112, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 112, 255) }
```

Border

The CSS property to change the border of an element to XYZ 24.9709, 19.3892, 97.0341 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(46, 112, 255) }
```


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

```
.border{ border-color:rgb(46, 112, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 112, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 112, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 112, 255);  
box-shadow:4px 4px 4px 4px rgb(46, 112,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 24.9709, 19.3892, 97.0341 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 112, 255) }
```

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

```
.background{ background-color: rgb(46, 112,  
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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