

Converting Colors

XYZ(24.9309, 20.7922, 97.3070)

Have a look what the booklet for
XYZ(24.9309, 20.7922, 97.3070)
contains.

XYZ(24.8916, 20.7175, 97.2947)	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(24.8916, 20.7175,
97.2947)**

Conversions

Conversions Part 1

Format	Color
Hex	0A78FF
RGB	10, 120, 255
RGB Percent	4%, 47%, 100%
CMY	0.9605, 0.5294, 0.0000
CMYK	0.96, 0.53, 0.00, 0.00
HSL	213°, 100%, 52%
HSV	213°, 96%, 100%
XYZ	24.8916, 20.7175, 97.2947
YIQ	102.5000, -108.8950, 18.6650

Conversions

Conversions Part 2

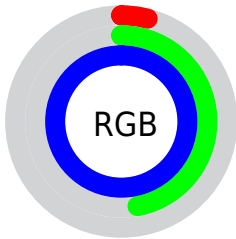
Format	Color
R _Y B	10, 86, 255
Decimal	686335
CIE Lab	52.64, 24.04, -74.29
CIE LCh	53, 78.086, 287.929
Yxy	20.7175, 0.1742, 0.1450
Android (android.graphics.Color)	4278876415 (0xFF0A78FF)
YUV	102.5000, 75.1825, -81.1225
Hunter-Lab	45.5165, 17.9625, -94.8750

Details

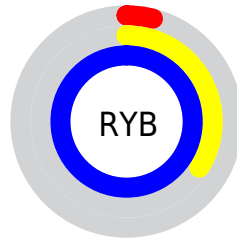
The XYZ color **24.8916, 20.7175, 97.2947** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark saturated azure. A complement of this color would be **51.4312, 41.5541, 5.5992**, and the grayscale version is **12.5955, 13.2514, 14.4308**.

A 20% lighter version of the original color is **39.5523, 39.9232, 100.2291**, and **12.4606, 8.7963, 53.8644** is the 20% darker color. If you saturate the color by 10%, you get **24.1182, 19.3564, 97.0727**, and if you desaturate by 10%, it is **27.2954, 24.6528, 97.9276**.

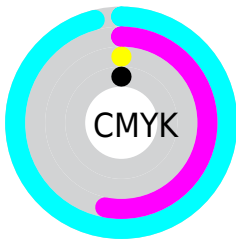
Distribution



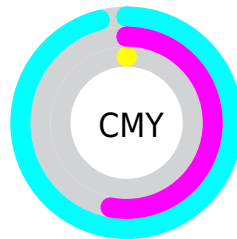
- Red (4%)
- Green (47%)
- Blue (100%)



- Red (4%)
- Yellow (34%)
- Blue (100%)



- Cyan (96%)
- Magenta (53%)
- Yellow (0%)
- Black (0%)



- Cyan (96%)
- Magenta (53%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.8916, 20.7175, 97.2947 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 24.8916, 20.7175, 97.2947 by changing the saturation by 10% instead.

■ 24.8916, 20.7175,
97.2947

■ 24.8916, 20.7175,
97.2947

269.6553,
255.7733, 572.6563

■ 16.1246, 12.9177,
73.4389

■ 50.9255, 44.6169,
159.4538

■ 9.7038, 7.3719,
53.8409

■ 68.9231, 61.4853,
198.5942

■ 5.2638, 3.6957,
38.0822

■ 90.7282, 82.1452,
243.6665

■ 2.4392, 1.5049,
25.7442

■ 116.7064,
106.9812, 295.0893

■ 0.8647, 0.2921,
16.4083

■ 147.2228,
136.3776, 353.2812

■ 0.0000, 0.0000,
9.6561

182.6428,

■ 0.0000, 0.0000,

170.7189, 418.6606

5.0689

223.3319,
210.3893, 491.6461

■ 0.0000, 0.0000,
2.2283

■ 0.0000, 0.0000,
0.6906

■ 24.8916, 20.7175,
97.2947

■ 24.8916, 20.7175,
97.2947

■ 24.1182, 19.3564,
97.0727

■ 27.2954, 24.6528,
97.9276

■ 30.5860, 29.4287,
98.6760

■ 34.8899, 35.1245,
99.5486

■ 40.3095, 41.8064,
100.5526

■ 46.9333, 49.5329,
101.6949

■ 54.8399, 58.3567,
102.9813

■ 64.1011, 68.3267,
104.4176

■ 74.7826, 79.4880,
106.0090

■ 86.9458, 91.8832,
107.7604

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



16.6075, 20.7175, 100.4581



24.8916, 20.7175, 97.2947



33.6808, 20.7175, 67.6549

Triad

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



24.8916, 20.7175, 97.2947



32.0949, 20.7175, 2.9958



8.0412, 20.7175, 14.4492

Complementary

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



24.8916, 20.7175, 97.2947



51.4312, 41.5541, 5.5992

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.



10.2370, 20.7175, 3.9168



24.8916, 20.7175, 97.2947



23.1351, 20.7175, 1.0072

Square

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



24.8916, 20.7175, 97.2947



38.5626, 20.7175, 11.4149



15.2711, 20.7175, 1.1633



8.2703, 20.7175, 39.2850

Rectangle

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



24.8916, 20.7175, 97.2947



37.9625, 20.7175, 43.8400



15.2711, 20.7175, 1.1633



8.4883, 20.7175, 9.5955

Sweetspot

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



24.8925, 20.7180, 97.2947



61.2253, 65.2648, 103.9782



40.9800, 73.6226, 38.7505



12.2604, 13.0601, 22.1246



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.



24.8925, 20.7180, 97.2947



24.1182, 19.3564, 97.0727



18.4972, 7.6128, 95.1022



17.6743, 18.7202, 22.9318



12.7463, 10.4023, 50.7706



1.3482, 1.2272, 4.9791

Inverse Universe

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



44.7395, 22.8347, 19.8189



44.3030, 22.4852, 18.0593



72.6923, 90.5529, 13.9363



18.3482, 18.1226, 20.4510



23.2220, 11.7781, 9.8193



2.3151, 1.1684, 1.2409

Previews

White Background



This preview shows how the XYZ color 24.8916, 20.7175, 97.2947 looks on a white background.

Color Contrast Check

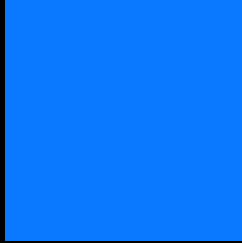
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.8916, 20.7175, 97.2947 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

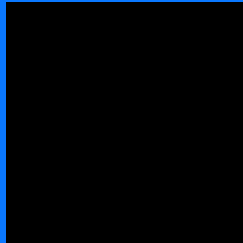
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

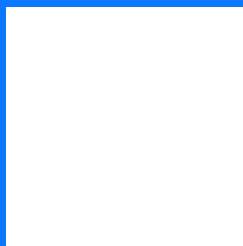
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.8916, 20.7175, 97.2947

Background



This preview shows how black text looks on a background with the XYZ color 24.8916, 20.7175, 97.2947.



This preview shows how white text looks on a background with the XYZ color 24.8916, 20.7175,

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

24.8916, 20.7175, 97.2947

Protanopia

24.9325, 20.7385, 97.2966

Deuteranopia

20.7703, 20.6588, 71.2994



Tritanopia

14.4991, 20.5718, 30.8103

Trichromacy



Original Color

24.8916, 20.7175, 97.2947

Protanomaly

24.9181, 20.7311, 97.2959

Deuteranomaly

22.0917, 20.5762, 79.8980

Tritanomaly

17.1643, 20.0735, 49.4243

Monochromacy



Original Color

24.8916, 20.7175, 97.2947

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

14.0944, 14.6711, 34.4367

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.8916, 20.7175, 97.2947 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(10, 120, 255)` looks like.

```
.text, #text, p{  
    color:rgb(10, 120, 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(10, 120, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 120, 255) }
```

Border

The CSS property to change the border of an element to XYZ 24.8916, 20.7175, 97.2947 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(10, 120, 255) }
```


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

```
.border{ border-color:rgb(10, 120, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(10, 120, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 120, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 120, 255);  
box-shadow:4px 4px 4px 4px rgb(10, 120,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 24.8916, 20.7175, 97.2947 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 120, 255) }
```

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

```
.background{ background-color: rgb(10, 120,  
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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