

Converting Colors

XYZ(24.7648, 17.2126, 96.6249)

Have a look what the booklet for
XYZ(24.7648, 17.2126, 96.6249)
contains.

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Color

**XYZ(24.7324, 17.1487,
96.6142)**

Conversions

Conversions Part 1

Format	Color
Hex	4362FF
RGB	67, 98, 255
RGB Percent	26%, 38%, 100%
CMY	0.7372, 0.6157, 0.0000
CMYK	0.74, 0.62, 0.00, 0.00
HSL	230°, 100%, 63%
HSV	230°, 74%, 100%
XYZ	24.7324, 17.1487, 96.6142
YIQ	106.6290, -68.8730, 42.2550

Conversions

Conversions Part 2

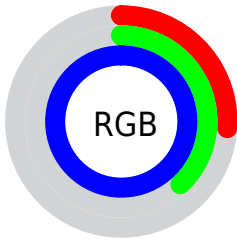
Format	Color
R _Y B	67, 94, 255
Decimal	4416255
CIE _{Lab}	48.45, 41.42, -81.07
CIE _{LCh}	48, 91.041, 297.065
Yxy	17.1487, 0.1786, 0.1238
Android (android.graphics.Color)	4282606335 (0xFF4362FF)
YUV	106.6290, 73.1469, -34.7546
Hunter-Lab	41.4110, 34.1385, -109.3393

Details

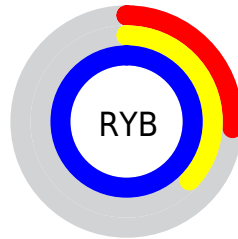
The XYZ color **24.7324, 17.1487, 96.6142** is a dark color, and the websafe version is hex **3366FF**. The color can be described as middle washed azure. A complement of this color would be **68.9127, 74.9838, 16.1535**, and the grayscale version is **13.6922, 14.4053, 15.6873**.

A 20% lighter version of the original color is **39.4449, 34.2039, 99.1308**, and **11.3060, 6.4872, 53.4796** is the 20% darker color. If you saturate the color by 10%, you get **21.6182, 12.9683, 95.9715**, and if you desaturate by 10%, it is **29.1472, 22.7861, 97.4697**.

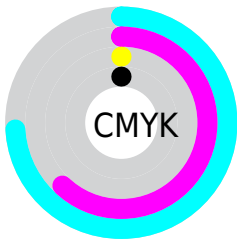
Distribution



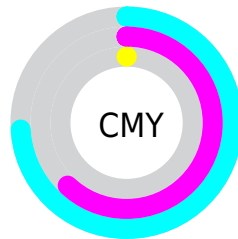
- Red (26%)
- Green (38%)
- Blue (100%)



- Red (26%)
- Yellow (37%)
- Blue (100%)



- Cyan (74%)
- Magenta (62%)
- Yellow (0%)
- Black (0%)



- Cyan (74%)
- Magenta (62%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.7324, 17.1487, 96.6142 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 24.7324, 17.1487, 96.6142 by changing the saturation by 10% instead.

■ 24.7324, 17.1487,
96.6142

■ 24.7324, 17.1487,
96.6142

268.8749,
236.0278, 570.4357

■ 16.0055, 10.3406,
72.8749

■ 50.6688, 38.5813,
158.5075

■ 9.6189, 5.6253,
53.3825

■ 68.6090, 53.9745,
197.4986

■ 5.2073, 2.6186,
37.7184

■ 90.3509, 72.9982,
242.4108

■ 2.4054, 0.9360,
25.4641

■ 116.2600, 96.0368,
293.6625

■ 0.8478, 0.0000,
16.2010

146.7016,
123.4746, 351.6723

■ 0.0000, 0.0000,
9.5106

182.0410,

■ 0.0000, 0.0000,

155.6962, 416.8587

4.9744

222.6437,
193.0858, 489.6403

■ 0.0000, 0.0000,
2.1737

■ 0.0000, 0.0000,
0.6592

■ 24.7324, 17.1487,
96.6142

■ 24.7324, 17.1487,
96.6142

■ 21.6182, 12.9683,
95.9715

■ 29.1472, 22.7861,
97.4697

■ 19.6495, 10.1014,
95.5219

■ 34.9880, 30.0024,
98.5547

■ 18.8791, 8.8783,
95.3264

■ 42.3676, 38.9074,
99.8846

■ 51.3869, 49.6004,
101.4732

■ 62.1379, 62.1731,
103.3333

■ 74.7057, 76.7108,
105.4770

■ 89.1696, 93.2933,
107.9154

■ 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.



15.4924, 17.1487, 112.2443



24.7324, 17.1487, 96.6142



33.7884, 17.1487, 56.3917

Triad

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



24.7324, 17.1487, 96.6142



26.6570, 17.1487, 0.4977



4.9616, 17.1487, 16.4192

Complementary

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



24.7324, 17.1487, 96.6142



68.9127, 74.9838, 16.1535

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.



6.2096, 17.1487, 3.1840



24.7324, 17.1487, 96.6142



17.1337, 17.1487, 0.0000

Square

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



24.7324, 17.1487, 96.6142



35.1401, 17.1487, 4.6069



10.0409, 17.1487, 0.1718



5.7883, 17.1487, 48.3075

Rectangle

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



24.7324, 17.1487, 96.6142



37.4386, 17.1487, 30.9452



10.0409, 17.1487, 0.1718



5.1381, 17.1487, 10.1674

Sweetspot

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



24.7333, 17.1491, 96.6143



64.1684, 64.5320, 103.6816



51.4853, 78.0776, 82.6427



13.0549, 13.0224, 22.0754



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.



24.7333, 17.1491, 96.6143



20.6454, 11.5898, 95.7567



29.2141, 15.9560, 96.1478



17.2449, 17.8613, 22.7886



9.9353, 4.7802, 49.8336



1.0324, 0.5955, 4.8738

Inverse Universe

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



45.4525, 26.1577, 14.2085



42.7505, 22.6316, 7.5184



58.5973, 83.1760, 18.2784



18.1315, 18.0359, 19.3096



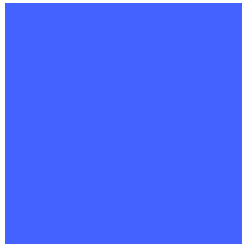
21.8031, 11.2105, 2.3476



2.1557, 1.1047, 0.4015

Previews

White Background



This preview shows how the XYZ color 24.7324, 17.1487, 96.6142 looks on a white background.

Color Contrast Check

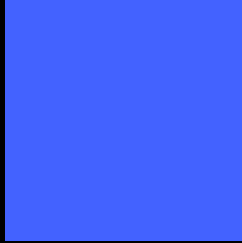
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.7324, 17.1487, 96.6142 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

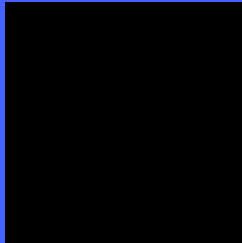
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.7324, 17.1487, 96.6142

Background



This preview shows how black text looks on a background with the XYZ color 24.7324, 17.1487, 96.6142.



This preview shows how white text looks on a background with the XYZ color 24.7324, 17.1487,

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

24.7324, 17.1487, 96.6142

Protanopia

20.2839, 17.0351, 79.3098

Deuteranopia

16.7866, 16.8927, 57.0195



Tritanopia

11.9625, 16.9280, 25.5586

Trichromacy



Original Color

24.7324, 17.1487, 96.6142

Protanomaly

21.4079, 16.8531, 85.3437

Deuteranomaly

18.8709, 16.5134, 69.9029

Tritanomaly

14.7588, 15.9396, 44.9466

Monochromacy



Original Color

24.7324, 17.1487, 96.6142

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

15.7970, 14.7491, 35.7325

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.7324, 17.1487, 96.6142 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(67, 98, 255)` looks like.

```
.text, #text, p{  
    color:rgb(67, 98, 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(67, 98, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 98, 255) }
```

Border

The CSS property to change the border of an element to XYZ 24.7324, 17.1487, 96.6142 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(67, 98, 255) }
```


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

```
.border{ border-color:rgb(67, 98, 255) }
```

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

Here you see how a box with a 4 pixel rgb(67, 98, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 98, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 98, 255);  
box-shadow:4px 4px 4px 4px rgb(67, 98,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 24.7324, 17.1487, 96.6142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 98, 255) }
```

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

```
.background{ background-color: rgb(67, 98,  
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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