

Converting Colors

XYZ(24.7601, 17.5918, 96.6983)

Have a look what the booklet for
XYZ(24.7601, 17.5918, 96.6983)
contains.

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Color

**XYZ(24.7536, 17.5841,
96.6972)**

Conversions

Conversions Part 1

Format	Color
Hex	3F65FF
RGB	63, 101, 255
RGB Percent	25%, 40%, 100%
CMY	0.7529, 0.6039, 0.0000
CMYK	0.75, 0.60, 0.00, 0.00
HSL	228°, 100%, 62%
HSV	228°, 75%, 100%
XYZ	24.7536, 17.5841, 96.6972
YIQ	107.1940, -72.0820, 39.8380

Conversions

Conversions Part 2

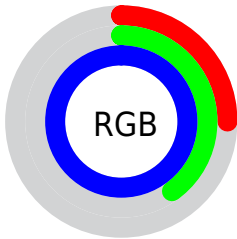
Format	Color
R _{YB}	63, 95, 255
Decimal	4154879
CIE _{Lab}	48.99, 39.18, -80.19
CIE _{LCh}	49, 89.255, 296.041
Yxy	17.5841, 0.1780, 0.1265
Android (android.graphics.Color)	4282344959 (0xFF3F65FF)
YUV	107.1940, 72.8684, -38.7581
Hunter-Lab	41.9334, 31.9864, -107.3676

Details

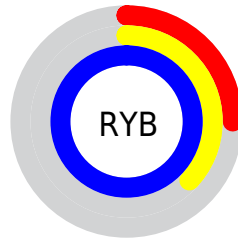
The XYZ color **24.7536, 17.5841, 96.6972** is a dark color, and the websafe version is hex **3366FF**. The color can be described as middle washed azure. A complement of this color would be **66.9546, 71.2530, 14.9292**, and the grayscale version is **13.8489, 14.5701, 15.8669**.

A 20% lighter version of the original color is **39.4316, 34.9107, 99.2679**, and **11.4442, 6.7636, 53.5257** is the 20% darker color. If you saturate the color by 10%, you get **21.7402, 13.4403, 96.0561**, and if you desaturate by 10%, it is **29.0161, 23.1053, 97.5382**.

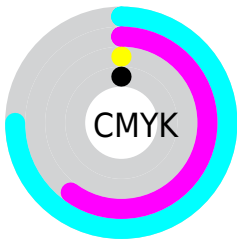
Distribution



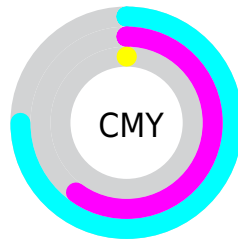
- Red (25%)
- Green (40%)
- Blue (100%)



- Red (25%)
- Yellow (37%)
- Blue (100%)



- Cyan (75%)
- Magenta (60%)
- Yellow (0%)
- Black (0%)



- Cyan (75%)
- Magenta (60%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.7536, 17.5841, 96.6972 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 24.7536, 17.5841, 96.6972 by changing the saturation by 10% instead.

■ 24.7536, 17.5841,
96.6972

■ 24.7536, 17.5841,
96.6972

268.9790,
238.5163, 570.7068

■ 16.0213, 10.6518,
72.9437

■ 50.7030, 39.3274,
158.6230

■ 9.6302, 5.8332,
53.4384

■ 68.6508, 54.9071,
197.6323

■ 5.2148, 2.7439,
37.7627

■ 90.4012, 74.1381,
242.5640

■ 2.4099, 0.9996,
25.4982

■ 116.3195, 97.4048,
293.8366

■ 0.8501, 0.0000,
16.2262

146.7711,
125.0916, 351.8686

■ 0.0000, 0.0000,
9.5283

182.1213,

■ 0.0000, 0.0000,

157.5828, 417.0786

4.9858

222.7354,
195.2629, 489.8852

■ 0.0000, 0.0000,
2.1804

■ 0.0000, 0.0000,
0.6630

■ 24.7536, 17.5841,
96.6972

■ 24.7536, 17.5841,
96.6972

■ 21.7402, 13.4403,
96.0561

■ 29.0161, 23.1053,
97.5382

■ 19.8224, 10.5394,
95.5973

■ 34.6509, 30.1173,
98.5947

■ 19.2100, 9.5400,
95.4367

■ 41.7682, 38.7224,
99.8805

■ 50.4663, 49.0132,
101.4084

■ 60.8347, 61.0748,
103.1900

■ 72.9561, 74.9866,
105.2364

■ 86.9076, 90.8232,
107.5579

■ 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.



15.6341, 17.5841, 110.6725



24.7536, 17.5841, 96.6972



33.7748, 17.5841, 57.7643

Triad

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



24.7536, 17.5841, 96.6972



27.3201, 17.5841, 0.7292



5.3047, 17.5841, 16.1574

Complementary

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



24.7536, 17.5841, 96.6972



66.9546, 71.2530, 14.9292

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.



6.6556, 17.5841, 3.2736



24.7536, 17.5841, 96.6972



17.8407, 17.5841, 0.0000

Square

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



24.7536, 17.5841, 96.6972



35.5689, 17.5841, 5.2652



10.6349, 17.5841, 0.2984



6.0762, 17.5841, 47.0757

Rectangle

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



24.7536, 17.5841, 96.6972



37.5058, 17.5841, 32.4403



10.6349, 17.5841, 0.2984



5.5090, 17.5841, 10.0938

Sweetspot

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



24.7545, 17.5845, 96.6972



63.4507, 64.0920, 103.6345



50.2837, 77.5664, 77.6968



12.7060, 12.7082, 22.0332



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.



24.7545, 17.5845, 96.6972



20.7106, 11.9277, 95.8184



27.6590, 14.8136, 96.0093



17.2939, 17.9595, 22.8050



10.1195, 5.1485, 49.8950



1.0573, 0.6454, 4.8821

Inverse Universe

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



45.3673, 25.7563, 14.8920



42.7327, 22.4306, 8.0227



59.7897, 83.8041, 17.7294



18.1563, 18.0458, 19.4400



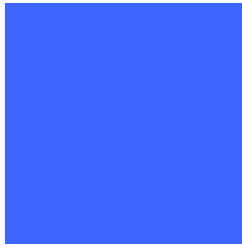
21.8960, 11.2477, 2.8371



2.1683, 1.1097, 0.4677

Previews

White Background



This preview shows how the XYZ color 24.7536, 17.5841, 96.6972 looks on a white background.

Color Contrast Check

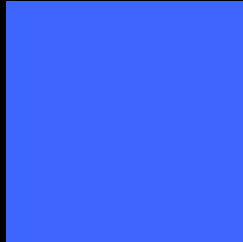
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.7536, 17.5841, 96.6972 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 24.7536, 17.5841, 96.6972

Background



This preview shows how black text looks on a background with the XYZ color 24.7536, 17.5841, 96.6972.



This preview shows how white text looks on a background with the XYZ color 24.7536, 17.5841,

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

24.7536, 17.5841, 96.6972

Protanopia

20.8248, 17.4250, 81.6227

Deuteranopia

17.1391, 17.2211, 58.2978



Tritanopia

12.2345, 17.2445, 26.3506

Trichromacy



Original Color

24.7536, 17.5841, 96.6972

Protanomaly

21.7887, 17.1686, 86.9595

Deuteranomaly

19.1987, 16.9910, 70.6743

Tritanomaly

15.0700, 16.4343, 45.5579

Monochromacy



Original Color

24.7536, 17.5841, 96.6972

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

15.7990, 14.9005, 35.7616

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.7536, 17.5841, 96.6972 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(63, 101, 255)` looks like.

```
.text, #text, p{  
    color:rgb(63, 101, 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(63, 101, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 101, 255) }
```

Border

The CSS property to change the border of an element to XYZ 24.7536, 17.5841, 96.6972 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(63, 101, 255) }
```


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

```
.border{ border-color:rgb(63, 101, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 101, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 101, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 101, 255);  
box-shadow:4px 4px 4px 4px rgb(63, 101,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 24.7536, 17.5841, 96.6972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 101, 255) }
```

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

```
.background{ background-color: rgb(63, 101,  
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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