

Converting Colors

XYZ(24.0380, 17.8175, 89.3597)

Have a look what the booklet for
XYZ(24.0380, 17.8175, 89.3597)
contains.

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Color

**XYZ(24.0391, 17.8197,
89.3613)**

Conversions

Conversions Part 1

Format	Color
Hex	4568F6
RGB	69, 104, 246
RGB Percent	27%, 41%, 96%
CMY	0.7294, 0.5922, 0.0353
CMYK	0.72, 0.58, 0.00, 0.04
HSL	228°, 91%, 62%
HSV	228°, 72%, 96%
XYZ	24.0391, 17.8197, 89.3613
YIQ	109.7230, -66.4420, 36.7420

Conversions

Conversions Part 2

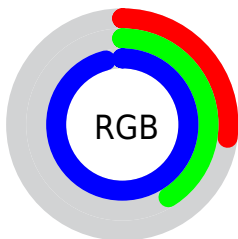
Format	Color
R _Y B	69, 98, 246
Decimal	4548854
CIE Lab	49.28, 34.84, -74.71
CIE LCh	49, 82.429, 295.000
Yxy	17.8197, 0.1832, 0.1358
Android (android.graphics.Color)	4282738934 (0xFF4568F6)
YUV	109.7230, 67.1846, -35.7141
Hunter-Lab	42.2134, 27.7763, -95.9613

Details

The XYZ color **24.0391, 17.8197, 89.3613** 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 **62.3780, 66.6172, 15.2029**, and the grayscale version is **14.5707, 15.3295, 16.6939**.

A 20% lighter version of the original color is **40.2526, 36.0660, 99.4476**, and **10.6984, 6.7002, 48.8735** is the 20% darker color. If you saturate the color by 10%, you get **20.8819, 13.5801, 88.7098**, and if you desaturate by 10%, it is **28.3857, 23.3625, 90.2026**.

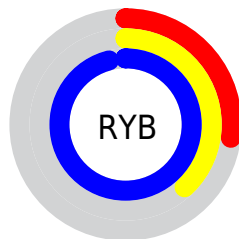
Distribution



Red (27%)

Green (41%)

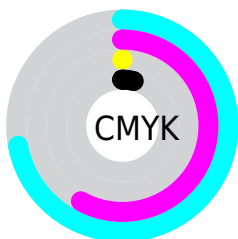
Blue (96%)



Red (27%)

Yellow (38%)

Blue (96%)

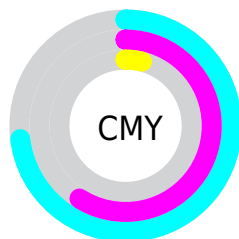


Cyan (72%)

Magenta (58%)

Yellow (0%)

Black (4%)



Cyan (73%)

Magenta (59%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.0391, 17.8197, 89.3613 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 24.0391, 17.8197, 89.3613 by changing the saturation by 10% instead.

■ 24.0391, 17.8197,
89.3613

■ 24.0391, 17.8197,
89.3613

265.4549,
239.8528, 546.4674

■ 15.4875, 10.8206,
66.8803

■ 49.5482, 39.7299,
148.3787

■ 9.2508, 5.9463,
48.5264

■ 67.2364, 55.4097,
185.7521

■ 4.9635, 2.8125,
33.8810

■ 88.7010, 74.7520,
228.9267

■ 2.2604, 1.0346,
22.5256

■ 114.3071, 98.1410,
278.3212

■ 0.7743, 0.0000,
14.0416

144.4202,
125.9612, 334.3539

■ 0.0000, 0.0000,
8.0105

179.4056,

■ 0.0000, 0.0000,

158.5970, 397.4435

4.0138

219.6287,
196.4327, 468.0085

■ 0.0000, 0.0000,
1.6329

■ 0.0000, 0.0000,
0.3141

■ 24.0391, 17.8197,
89.3613

■ 24.0391, 17.8197,
89.3613

■ 20.8819, 13.5801,
88.7098

■ 28.3857, 23.3625,
90.2026

■ 18.7825, 10.5270,
88.2312

■ 34.0284, 30.3078,
91.2457

■ 17.7176, 8.8198,
87.9578

■ 41.0644, 38.7461,
92.5036

■ 49.5809, 48.7597,
93.9876

■ 59.6574, 60.4250,
95.7081

■ 71.3681, 73.8130,
97.6751

■ 84.7820, 88.9907,
99.8976

■ 93.6346, 99.4339,
101.4468

Harmonies

Analogous

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



15.6726, 17.8197, 100.3943



24.0391, 17.8197, 89.3613



32.2911, 17.8197, 55.5657

Triad

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



24.0391, 17.8197, 89.3613



26.9902, 17.8197, 1.2422



6.0148, 17.8197, 15.9192

Complementary

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



24.0391, 17.8197, 89.3613



62.3780, 66.6172, 15.2029

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.



7.4356, 17.8197, 3.7840



24.0391, 17.8197, 89.3613



18.2679, 17.8197, 0.1989

Square

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



24.0391, 17.8197, 89.3613



34.3272, 17.8197, 6.3871



11.3929, 17.8197, 0.7169



6.7111, 17.8197, 43.5716

Rectangle

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



24.0391, 17.8197, 89.3613



35.7682, 17.8197, 32.6602



11.3929, 17.8197, 0.7169



6.2436, 17.8197, 10.3282

Sweetspot

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



24.0400, 17.8201, 89.3618



64.6209, 65.4368, 103.8324



47.1191, 71.8607, 72.7543



13.1598, 13.2322, 22.1104



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.



24.0400, 17.8201, 89.3618



21.5669, 13.1893, 96.0168



26.8049, 15.0570, 88.6827



15.8464, 16.4570, 20.8839



9.5342, 4.8623, 46.9740



0.9070, 0.5654, 4.1516

Inverse Universe

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



42.6338, 24.8501, 15.6462



43.2750, 23.0690, 9.5791



55.9983, 77.6665, 17.6718



16.6330, 16.5361, 17.8141



20.6170, 10.5902, 2.6913



1.8469, 0.9447, 0.4200

Previews

White Background



This preview shows how the XYZ color 24.0391, 17.8197, 89.3613 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 24.0391, 17.8197, 89.3613 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 24.0391, 17.8197, 89.3613

Background



This preview shows how black text looks on a background with the XYZ color 24.0391, 17.8197, 89.3613.



This preview shows how white text looks on a background with the XYZ color 24.0391, 17.8197,

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

24.0391, 17.8197, 89.3613

Protanopia

21.2268, 17.7614, 83.1984

Deuteranopia

17.6163, 17.6014, 60.2265



Tritanopia

12.4377, 17.5355, 26.7739

Trichromacy



Original Color

24.0391, 17.8197, 89.3613

Protanomaly

21.7467, 17.4948, 85.4498

Deuteranomaly

19.3365, 17.4086, 70.0512

Tritanomaly

15.0532, 16.8139, 44.0470

Monochromacy



Original Color

24.0391, 17.8197, 89.3613

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

16.3399, 15.6612, 34.9626

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.0391, 17.8197, 89.3613 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(69, 104, 246)` looks like.

```
.text, #text, p{  
    color:rgb(69, 104, 246)  
}
```

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(69, 104, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 104, 246) }
```

Border

The CSS property to change the border of an element to XYZ 24.0391, 17.8197, 89.3613 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(69, 104, 246) }
```


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

```
.border{ border-color:rgb(69, 104, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 104, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 104, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 104, 246);  
box-shadow:4px 4px 4px 4px rgb(69, 104,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 24.0391, 17.8197, 89.3613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 104, 246) }
```

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

```
.background{ background-color: rgb(69, 104,  
246) }
```

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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