

Converting Colors

XYZ(22.4343, 17.1838, 88.9823)

Have a look what the booklet for
XYZ(22.4343, 17.1838, 88.9823)
contains.

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Color

**XYZ(22.4855, 17.1690,
89.3176)**

Conversions

Conversions Part 1

Format	Color
Hex	2669F6
RGB	38, 105, 246
RGB Percent	15%, 41%, 96%
CMY	0.8509, 0.5882, 0.0353
CMYK	0.85, 0.57, 0.00, 0.04
HSL	221°, 92%, 56%
HSV	221°, 85%, 96%
XYZ	22.4855, 17.1690, 89.3176
YIQ	101.0410, -85.1930, 29.6470

Conversions

Conversions Part 2

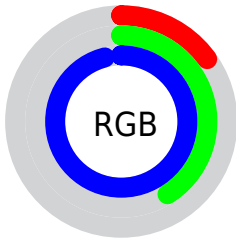
Format	Color
R _Y B	38, 89, 246
Decimal	2517494
CIE Lab	48.47, 31.34, -76.06
CIE LCh	48, 82.266, 292.393
Yxy	17.1690, 0.1743, 0.1331
Android (android.graphics.Color)	4280707574 (0xFF2669F6)
YUV	101.0410, 71.4648, -55.2870
Hunter-Lab	41.4355, 24.3532, -98.7996

Details

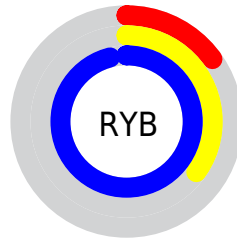
The XYZ color **22.4855, 17.1690, 89.3176** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed azure. A complement of this color would be **54.4821, 51.9843, 8.9984**, and the grayscale version is **12.2196, 12.8560, 14.0002**.

A 20% lighter version of the original color is **37.8236, 35.0619, 99.3818**, and **10.6411, 6.7588, 48.3207** is the 20% darker color. If you saturate the color by 10%, you get **20.3231, 13.7750, 88.7769**, and if you desaturate by 10%, it is **25.5807, 21.5383, 89.9983**.

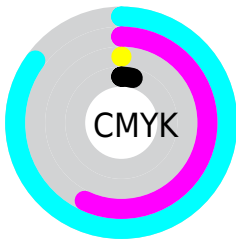
Distribution



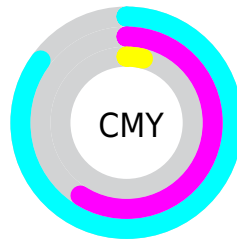
- Red (15%)
- Green (41%)
- Blue (96%)



- Red (15%)
- Yellow (35%)
- Blue (96%)



- Cyan (85%)
- Magenta (57%)
- Yellow (0%)
- Black (4%)



- Cyan (85%)
- Magenta (59%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.4855, 17.1690, 89.3176 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 22.4855, 17.1690, 89.3176 by changing the saturation by 10% instead.

■ 22.4855, 17.1690,
89.3176

■ 22.4855, 17.1690,
89.3176

257.6563,
236.1444, 546.3212

■ 14.3327, 10.3551,
66.8443

■ 47.0200, 38.6161,
148.3174

■ 8.4357, 5.6350,
48.4973

■ 64.1324, 54.0181,
185.6809

■ 4.4291, 2.6244,
33.8581

■ 84.9621, 73.0515,
228.8449

■ 1.9476, 0.9390,
22.5081

■ 109.8743, 96.1008,
278.2280

■ 0.6043, 0.0000,
14.0289

■ 139.2345,
123.5503, 334.2486

■ 0.0000, 0.0000,
8.0018

173.4080,

■ 0.0000, 0.0000,

155.7845, 397.3253

4.0083

212.7601,
193.1877, 467.8767

■ 0.0000, 0.0000,
1.6299

■ 0.0000, 0.0000,
0.3120

■ 22.4855, 17.1690,
89.3176

■ 22.4855, 17.1690,
89.3176

■ 20.3231, 13.7750,
88.7769

■ 25.5807, 21.5383,
89.9983

■ 19.4464, 12.2774,
88.5341

■ 29.7259, 26.9702,
90.8283

■ 35.0216, 33.5412,
91.8175

■ 41.5551, 41.3194,
92.9745

■ 49.4046, 50.3671,
94.3071

■ 58.6414, 60.7416,
95.8228

■ 69.3315, 72.4968,
97.5284

■ 81.5367, 85.6833,
99.4303

■ 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.



14.4743, 17.1690, 97.3912



22.4855, 17.1690, 89.3176



30.7026, 17.1690, 57.1833

Triad

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



22.4855, 17.1690, 89.3176



26.8564, 17.1690, 1.3237



5.7565, 17.1690, 13.7203

Complementary

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



22.4855, 17.1690, 89.3176



54.4821, 51.9843, 8.9984

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.



7.3196, 17.1690, 3.0827



22.4855, 17.1690, 89.3176



18.3133, 17.1690, 0.1420

Square

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



22.4855, 17.1690, 89.3176



33.7203, 17.1690, 6.9215



11.3969, 17.1690, 0.5251



6.2520, 17.1690, 39.3821

Rectangle

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



22.4855, 17.1690, 89.3176



34.3962, 17.1690, 34.2694



11.3969, 17.1690, 0.5251



6.0362, 17.1690, 8.7401

Sweetspot

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



22.4864, 17.1694, 89.3181



63.0871, 65.3054, 103.8879



41.6598, 69.4859, 52.6421



12.7163, 13.0996, 22.1082



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.



22.4864, 17.1694, 89.3181



21.0761, 13.2722, 96.0587



20.0527, 9.4461, 87.9556



16.0168, 16.7979, 20.9407



10.4919, 6.7775, 47.2932



1.0113, 0.7741, 4.1863

Inverse Universe

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



41.2499, 22.0007, 15.4368



42.7674, 21.8710, 9.9733



60.2672, 79.9509, 14.0916



16.7191, 16.5705, 18.2672



21.1003, 10.7836, 5.2367



1.8995, 0.9658, 0.6973

Previews

White Background



This preview shows how the XYZ color 22.4855, 17.1690, 89.3176 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 22.4855, 17.1690, 89.3176 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

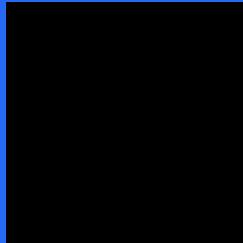
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

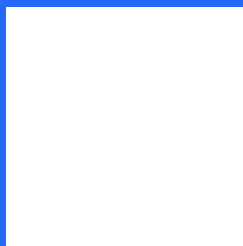
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.4855, 17.1690, 89.3176

Background



This preview shows how black text looks on a background with the XYZ color 22.4855, 17.1690, 89.3176.



This preview shows how white text looks on a background with the XYZ color 22.4855, 17.1690,

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

22.4855, 17.1690, 89.3176

Protanopia

20.2839, 17.0351, 79.3098

Deuteranopia

16.9039, 16.9396, 57.6371



Tritanopia

11.9625, 16.9280, 25.5586

Trichromacy



Original Color

22.4855, 17.1690, 89.3176

Protanomaly

20.9763, 16.9915, 83.0630

Deuteranomaly

18.6106, 16.9134, 67.9294

Tritanomaly

14.5158, 16.3822, 42.9544

Monochromacy



Original Color

22.4855, 17.1690, 89.3176

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

13.7260, 13.4555, 32.4456

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.4855, 17.1690, 89.3176 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(38, 105, 246)` looks like.

```
.text, #text, p{  
    color:rgb(38, 105, 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(38, 105, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 105, 246) }
```

Border

The CSS property to change the border of an element to XYZ 22.4855, 17.1690, 89.3176 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(38, 105, 246) }
```


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

```
.border{ border-color:rgb(38, 105, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 105, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 105, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 105, 246);  
box-shadow:4px 4px 4px 4px rgb(38, 105,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 22.4855, 17.1690, 89.3176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 105, 246) }
```

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

```
.background{ background-color: rgb(38, 105,  
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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