

Converting Colors

XYZ(22.3692, 16.9805, 81.2960)

Have a look what the booklet for
XYZ(22.3692, 16.9805, 81.2960)
contains.

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Color

**XYZ(22.3745, 16.9856,
81.4562)**

Conversions

Conversions Part 1

Format	Color
Hex	4467EC
RGB	68, 103, 236
RGB Percent	27%, 40%, 93%
CMY	0.7333, 0.5961, 0.0745
CMYK	0.71, 0.56, 0.00, 0.07
HSL	228°, 82%, 60%
HSV	228°, 71%, 93%
XYZ	22.3745, 16.9856, 81.4562
YIQ	107.6970, -63.5530, 33.9430

Conversions

Conversions Part 2

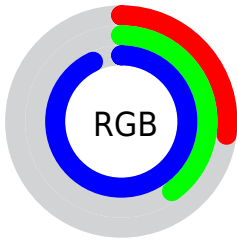
Format	Color
R _Y B	68, 97, 236
Decimal	4483052
CIE Lab	48.24, 31.82, -70.80
CIE LCh	48, 77.620, 294.203
Yxy	16.9856, 0.1852, 0.1406
Android (android.graphics.Color)	4282673132 (0xFF4467EC)
YUV	107.6970, 63.2534, -34.8143
Hunter-Lab	41.2136, 24.7823, -88.3336

Details

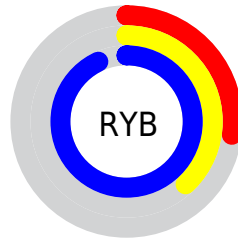
The XYZ color **22.3745, 16.9856, 81.4562** is a dark color, and the websafe version is hex **3366FF**. The color can be described as middle muted azure. A complement of this color would be **56.5254, 60.0293, 14.0783**, and the grayscale version is **14.0120, 14.7417, 16.0537**.

A 20% lighter version of the original color is **39.7589, 35.5654, 99.3770**, and **9.5998, 6.1809, 43.3349** is the 20% darker color. If you saturate the color by 10%, you get **19.3917, 12.9905, 80.8427**, and if you desaturate by 10%, it is **26.4362, 22.1533, 82.2400**.

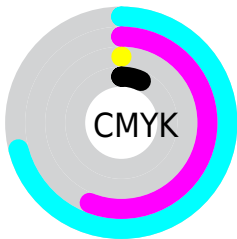
Distribution



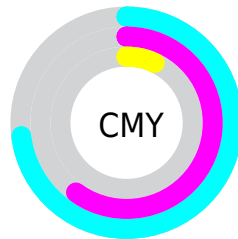
- Red (27%)
- Green (40%)
- Blue (93%)



- Red (27%)
- Yellow (38%)
- Blue (93%)



- Cyan (71%)
- Magenta (56%)
- Yellow (0%)
- Black (7%)



- Cyan (73%)
- Magenta (60%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.3745, 16.9856, 81.4562 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 22.3745, 16.9856, 81.4562 by changing the saturation by 10% instead.

■ 22.3745, 16.9856,
81.4562

■ 22.3745, 16.9856,
81.4562

257.0916,
235.0894, 519.6625

■ 14.2505, 10.2242,
60.3842

■ 46.8384, 38.3010,
137.2410

■ 8.3779, 5.5479,
43.3011

■ 63.9091, 53.6238,
172.7908

■ 4.3916, 2.5722,
29.7883

■ 84.6926, 72.5693,
214.0037

■ 1.9259, 0.9127,
19.4272

■ 109.5545, 95.5217,
261.2982

■ 0.5918, 0.0000,
11.7995

138.8599,
122.8656, 315.0927

■ 0.0000, 0.0000,
6.4864

172.9743,

■ 0.0000, 0.0000,

154.9852, 375.8059

3.0695

212.2631,
192.2650, 443.8564

■ 0.0000, 0.0000,
1.1302

■ 0.0000, 0.0000,
0.0000

■ 22.3745, 16.9856,
81.4562

■ 22.3745, 16.9856,
81.4562

■ 19.3917, 12.9905,
80.8427

■ 26.4362, 22.1533,
82.2400

■ 17.3724, 10.0670,
80.3848

■ 31.6707, 28.5797,
83.2046

■ 16.2452, 8.2657,
80.0966

■ 38.1639, 36.3438,
84.3610

■ 45.9929, 45.5177,
85.7191

■ 55.2285, 56.1679,
87.2880

■ 65.9363, 68.3568,
89.0763

■ 78.1777, 82.1432,
91.0922

■ 91.3409, 97.2372,
93.3118

■ 92.1404, 98.8362,
93.5783

Harmonies

Analogous

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



14.8116, 16.9856, 90.4153



22.3745, 16.9856, 81.4562



29.8496, 16.9856, 51.8326

Triad

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



22.3745, 16.9856, 81.4562



25.4584, 16.9856, 1.4868



6.0540, 16.9856, 14.8388

Complementary

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



22.3745, 16.9856, 81.4562



56.5254, 60.0293, 14.0783

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.



7.4464, 16.9856, 3.8004



22.3745, 16.9856, 81.4562



17.5547, 16.9856, 0.4161

Square

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



22.3745, 16.9856, 81.4562



31.9632, 16.9856, 6.6950



11.1934, 16.9856, 0.8654



6.6575, 16.9856, 39.4536

Rectangle

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



22.3745, 16.9856, 81.4562



33.0485, 16.9856, 31.2266



11.1934, 16.9856, 0.8654



6.2874, 16.9856, 9.8007

Sweetspot

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



22.3754, 16.9860, 81.4567



65.9532, 67.0892, 104.0811



42.7593, 65.3722, 64.7651



13.4253, 13.5666, 22.1610



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.



22.3754, 16.9860, 81.4567



21.9821, 13.8839, 96.1290



24.3587, 13.8780, 80.7522



14.4854, 15.0572, 19.0651



9.0295, 4.7059, 44.1754



0.7768, 0.5050, 3.4914

Inverse Universe

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



39.1083, 22.9479, 15.2001



43.5177, 23.2929, 10.4661



51.8780, 71.1515, 16.4700



15.1938, 15.1054, 16.3058



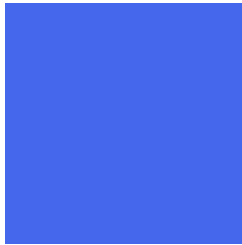
19.4130, 9.9679, 2.7100



1.5586, 0.7964, 0.3929

Previews

White Background



This preview shows how the XYZ color 22.3745, 16.9856, 81.4562 looks on a white background.

Color Contrast Check

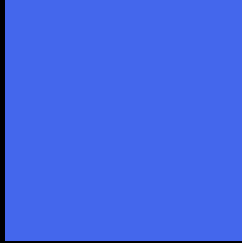
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.3745, 16.9856, 81.4562 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

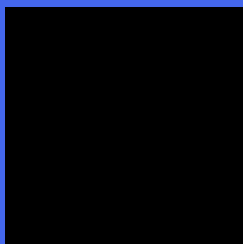
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.3745, 16.9856, 81.4562

Background



This preview shows how black text looks on a background with the XYZ color 22.3745, 16.9856, 81.4562.



This preview shows how white text looks on a background with the XYZ color 22.3745, 16.9856,

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

22.3745, 16.9856, 81.4562

Protanopia

20.2839, 17.0351, 79.3098

Deuteranopia

16.9039, 16.9396, 57.6371



Tritanopia

11.8340, 16.6710, 25.5158

Trichromacy



Original Color

22.3745, 16.9856, 81.4562

Protanomaly

20.5099, 16.6626, 79.9771

Deuteranomaly

18.3327, 16.6501, 65.8659

Tritanomaly

14.3257, 16.1421, 41.3904

Monochromacy



Original Color

22.3745, 16.9856, 81.4562

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

15.5846, 15.0018, 33.0846

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.3745, 16.9856, 81.4562 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(68, 103, 236)` looks like.

```
.text, #text, p{  
    color:rgb(68, 103, 236)  
}
```

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(68, 103, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 103, 236) }
```

Border

The CSS property to change the border of an element to XYZ 22.3745, 16.9856, 81.4562 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(68, 103, 236) }
```


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

```
.border{ border-color:rgb(68, 103, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 103, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 103, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 103, 236);  
box-shadow:4px 4px 4px 4px rgb(68, 103,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 22.3745, 16.9856, 81.4562 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 103, 236) }
```

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

```
.background{ background-color: rgb(68, 103,  
236) }
```

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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