

Converting Colors

XYZ(22.6426, 19.8263, 85.0721)

Have a look what the booklet for
XYZ(22.6426, 19.8263, 85.0721)
contains.

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Color

**XYZ(22.6416, 19.8258,
85.0715)**

Conversions

Conversions Part 1

Format	Color
Hex	0F78F0
RGB	15, 120, 240
RGB Percent	6%, 47%, 94%
CMY	0.9410, 0.5294, 0.0588
CMYK	0.94, 0.50, 0.00, 0.06
HSL	212°, 88%, 50%
HSV	212°, 94%, 94%
XYZ	22.6416, 19.8258, 85.0715
YIQ	102.2850, -101.1000, 15.0600

Conversions

Conversions Part 2

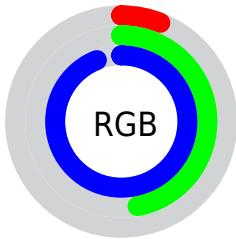
Format	Color
R _Y B	15, 87, 240
Decimal	1014000
CIE _{Lab}	51.64, 18.40, -67.59
CIE _{LCh}	52, 70.046, 285.230
Y _{xy}	19.8258, 0.1775, 0.1554
Android (android.graphics.Color)	4279204080 (0xFF0F78F0)
Y _{UV}	102.2850, 67.8935, -76.5489
Hunter-Lab	44.5262, 12.8466, -82.1109

Details

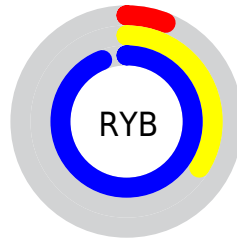
The XYZ color **22.6416, 19.8258, 85.0715** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark saturated azure. A complement of this color would be **44.6923, 35.9007, 5.0276**, and the grayscale version is **12.5546, 13.2084, 14.3839**.

A 20% lighter version of the original color is **39.3581, 40.1046, 100.2743**, and **10.9298, 8.1840, 45.8033** is the 20% darker color. If you saturate the color by 10%, you get **21.5196, 17.8740, 84.7544**, and if you desaturate by 10%, it is **24.9273, 23.4447, 85.6501**.

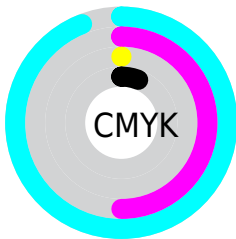
Distribution



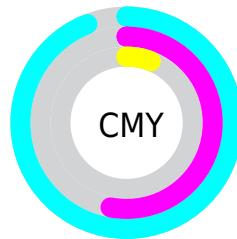
- Red (6%)
- Green (47%)
- Blue (94%)



- Red (6%)
- Yellow (34%)
- Blue (94%)



- Cyan (94%)
- Magenta (50%)
- Yellow (0%)
- Black (6%)



- Cyan (94%)
- Magenta (53%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.6416, 19.8258, 85.0715 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 22.6416, 19.8258, 85.0715 by changing the saturation by 10% instead.

■ 22.6416, 19.8258,
85.0715

■ 22.6416, 19.8258,
85.0715

258.4487,
250.9705, 532.0154

■ 14.4483, 12.2685,
63.3500

■ 47.2752, 43.1249,
142.3481

■ 8.5169, 6.9268,
45.6816

■ 64.4462, 59.6355,
178.7403

■ 4.4820, 3.4164,
31.6478

■ 85.3405, 79.8994,
220.8598

■ 1.9783, 1.3528,
20.8300

■ 110.3234,
104.3008, 269.1250

■ 0.6217, 0.1815,
12.8098

■ 139.7603,
133.2242, 323.9547

■ 0.0000, 0.0000,
7.1685

174.0166,

■ 0.0000, 0.0000,

167.0541, 385.7673

3.4877

213.4576,
206.1747, 454.9813

■ 0.0000, 0.0000,
1.3487

■ 0.0000, 0.0000,
0.1012

■ 22.6416, 19.8258,
85.0715

■ 22.6416, 19.8258,
85.0715

■ 21.5196, 17.8740,
84.7544

■ 24.9273, 23.4447,
85.6501

■ 27.9993, 27.7860,
86.3261

■ 31.9597, 32.9130,
87.1070

■ 36.8924, 38.8794,
87.9986

■ 42.8706, 45.7326,
89.0063

■ 49.9600, 53.5160,
90.1350

■ 58.2203, 62.2694,
91.3892

■ 67.7066, 72.0300,
92.7732

■ 78.4707, 82.8329,
94.2911

Harmonies

Analogous

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



15.5890, 19.8258, 85.2732



22.6416, 19.8258, 85.0715



30.2243, 19.8258, 62.2031

Triad

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



22.6416, 19.8258, 85.0715



30.1189, 19.8258, 4.0737



8.5255, 19.8258, 13.1113

Complementary

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



22.6416, 19.8258, 85.0715



44.6923, 35.9007, 5.0276

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.



10.7526, 19.8258, 4.1467



22.6416, 19.8258, 85.0715



22.5229, 19.8258, 1.5903

Square

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



22.6416, 19.8258, 85.0715



35.2215, 19.8258, 12.8963



15.4964, 19.8258, 1.6046



8.5421, 19.8258, 33.5020

Rectangle

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



22.6416, 19.8258, 85.0715



34.0621, 19.8258, 42.3296



15.4964, 19.8258, 1.6046



9.0062, 19.8258, 9.0469

Sweetspot

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



22.6426, 19.8263, 85.0721



62.5117, 66.9415, 104.2340



35.7327, 64.1724, 33.4329



12.5212, 13.4135, 22.1791



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.



22.6426, 19.8263, 85.0721



24.6436, 20.4071, 97.2479



16.2427, 6.8111, 82.8972



15.5052, 16.4445, 20.0785



11.9106, 10.0454, 46.4391



1.0895, 1.0330, 3.8962

Inverse Universe

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



39.4971, 20.2244, 19.5914



44.5681, 22.5913, 19.4557



64.6888, 79.5951, 12.4076



16.0797, 15.8816, 17.9759



21.3375, 10.8074, 9.6939



1.8249, 0.9190, 1.0687

Previews

White Background



This preview shows how the XYZ color 22.6416, 19.8258, 85.0715 looks on a white background.

Color Contrast Check

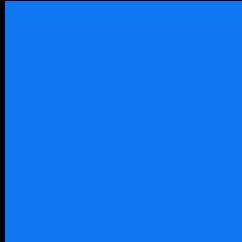
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 22.6416, 19.8258, 85.0715 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

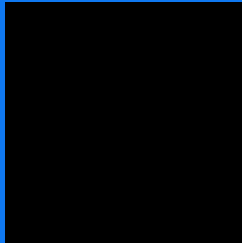
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

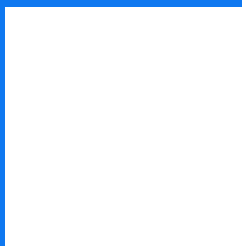
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.6416, 19.8258, 85.0715

Background



This preview shows how black text looks on a background with the XYZ color 22.6416, 19.8258, 85.0715.



This preview shows how white text looks on a background with the XYZ color 22.6416, 19.8258,

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

22.6416, 19.8258, 85.0715

Protanopia

23.2264, 19.8080, 83.4881

Deuteranopia

19.8580, 19.6770, 68.3970



Tritanopia

13.9150, 19.6527, 29.8480

Trichromacy



Original Color

22.6416, 19.8258, 85.0715

Protanomaly

22.9398, 19.8190, 84.2777

Deuteranomaly

20.7362, 19.6344, 73.9311

Tritanomaly

16.2834, 19.2928, 46.0457

Monochromacy



Original Color

22.6416, 19.8258, 85.0715

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

13.6619, 14.5064, 31.7857

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.6416, 19.8258, 85.0715 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(15, 120, 240)` looks like.

```
.text, #text, p{  
    color:rgb(15, 120, 240)  
}
```

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(15, 120, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 120, 240) }
```

Border

The CSS property to change the border of an element to XYZ 22.6416, 19.8258, 85.0715 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(15, 120, 240) }
```


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

```
.border{ border-color:rgb(15, 120, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(15, 120, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 120, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 120, 240);  
box-shadow:4px 4px 4px 4px rgb(15, 120,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 22.6416, 19.8258, 85.0715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 120, 240) }
```

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

```
.background{ background-color: rgb(15, 120,  
240) }
```

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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