

Converting Colors

XYZ(22.7110, 20.2388, 84.9153)

Have a look what the booklet for
XYZ(22.7110, 20.2388, 84.9153)
contains.

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Color

**XYZ(22.7503, 20.2426,
85.1462)**

Conversions

Conversions Part 1

Format	Color
Hex	057AF0
RGB	5, 122, 240
RGB Percent	2%, 48%, 94%
CMY	0.9801, 0.5216, 0.0588
CMYK	0.98, 0.49, 0.00, 0.06
HSL	210°, 96%, 48%
HSV	210°, 98%, 94%
XYZ	22.7503, 20.2426, 85.1462
YIQ	100.4690, -107.6100, 11.8940

Conversions

Conversions Part 2

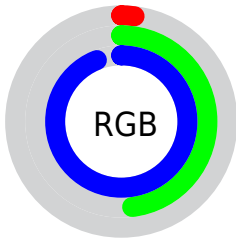
Format	Color
R _Y B	5, 83, 240
Decimal	359152
CIE Lab	52.11, 16.87, -66.83
CIE LCh	52, 68.924, 284.165
Yxy	20.2426, 0.1775, 0.1580
Android (android.graphics.Color)	4278549232 (0xFF057AF0)
YUV	100.4690, 68.7888, -83.7263
Hunter-Lab	44.9918, 11.5237, -80.7111

Details

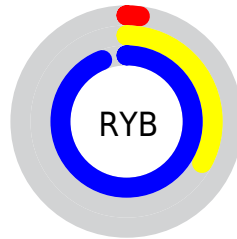
The XYZ color **22.7503, 20.2426, 85.1462** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark saturated azure. A complement of this color would be **43.0545, 32.7192, 4.1917**, and the grayscale version is **12.0876, 12.7171, 13.8489**.

A 20% lighter version of the original color is **39.4927, 40.7433, 100.3905**, and **11.0633, 8.4511, 45.8479** is the 20% darker color. If you saturate the color by 10%, you get **22.3794, 19.5936, 85.0410**, and if you desaturate by 10%, it is **24.7695, 23.6188, 85.6920**.

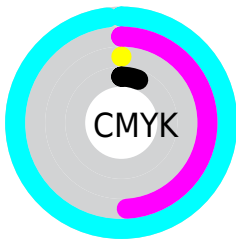
Distribution



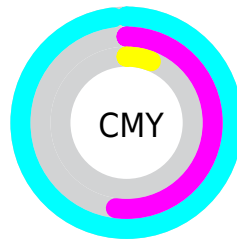
- Red (2%)
- Green (48%)
- Blue (94%)



- Red (2%)
- Yellow (33%)
- Blue (94%)



- Cyan (98%)
- Magenta (49%)
- Yellow (0%)
- Black (6%)



- Cyan (98%)
- Magenta (52%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.7503, 20.2426, 85.1462 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 22.7503, 20.2426, 85.1462 by changing the saturation by 10% instead.

■ 22.7503, 20.2426,
85.1462

■ 22.7503, 20.2426,
85.1462

258.9992,
253.2254, 532.2689

■ 14.5289, 12.5715,
63.4113

■ 47.4527, 43.8235,
142.4534

■ 8.5736, 7.1342,
45.7309

■ 64.6644, 60.5022,
178.8628

■ 4.5190, 3.5461,
31.6864

■ 85.6036, 80.9522,
221.0008

■ 1.9997, 1.4231,
20.8593

■ 110.6356,
105.5578, 269.2860

■ 0.6338, 0.2336,
12.8309

■ 140.1258,
134.7036, 324.1369

■ 0.0000, 0.0000,
7.1829

174.4396,

■ 0.0000, 0.0000,

168.7739, 385.9719

3.4965

213.9423,
208.1530, 455.2098

■ 0.0000, 0.0000,
1.3534

■ 0.0000, 0.0000,
0.1050

■ 22.7503, 20.2426,
85.1462

■ 22.7503, 20.2426,
85.1462

■ 22.3794, 19.5936,
85.0410

■ 24.7695, 23.6188,
85.6920

■ 27.4958, 27.6415,
86.3247

■ 31.0491, 32.3816,
87.0524

■ 35.5184, 37.8933,
87.8807

■ 40.9795, 44.2242,
88.8148

■ 47.4998, 51.4168,
89.8595

■ 55.1402, 59.5101,
91.0190

■ 63.9567, 68.5403,
92.2973

■ 74.0014, 78.5415,
93.6983

Harmonies

Analogous

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



15.7742, 20.2426, 84.4275



22.7503, 20.2426, 85.1462



30.3099, 20.2426, 63.2459

Triad

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



22.7503, 20.2426, 85.1462



30.6896, 20.2426, 4.5514



8.9260, 20.2426, 13.0564

Complementary

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



22.7503, 20.2426, 85.1462



43.0545, 32.7192, 4.1917

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.



11.2588, 20.2426, 4.2776



22.7503, 20.2426, 85.1462



23.1796, 20.2426, 1.8185

Square

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



22.7503, 20.2426, 85.1462



35.5968, 20.2426, 13.8423



16.1107, 20.2426, 1.7636



8.8649, 20.2426, 32.9673

Rectangle

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



22.7503, 20.2426, 85.1462



34.1954, 20.2426, 43.6475



16.1107, 20.2426, 1.7636



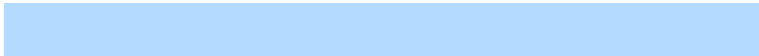
9.4390, 20.2426, 9.0854

Sweetspot

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



22.7513, 20.2431, 85.1468



62.1521, 67.1185, 104.2871



34.7697, 63.7717, 29.0629



12.4801, 13.4994, 22.1978



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.



22.7513, 20.2431, 85.1468



25.6291, 22.3783, 97.5764



15.8467, 6.4340, 82.8452



15.5472, 16.5285, 20.0925



12.3838, 10.9918, 46.5968



1.1297, 1.1133, 3.9096

Inverse Universe

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



39.5033, 20.0405, 20.1986



45.0656, 22.7902, 22.0753



67.1234, 80.8570, 12.2147



16.1009, 15.8901, 18.0875



21.5764, 10.9030, 10.9516



1.8452, 0.9271, 1.1755

Previews

White Background



This preview shows how the XYZ color 22.7503, 20.2426, 85.1462 looks on a white background.

Color Contrast Check

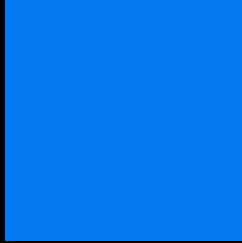
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.7503, 20.2426, 85.1462 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

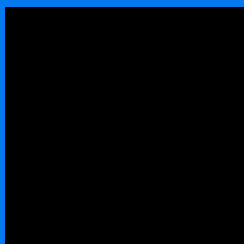
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

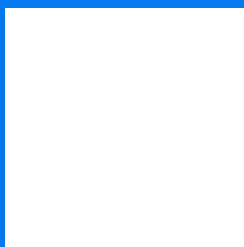
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.7503, 20.2426, 85.1462

Background



This preview shows how black text looks on a background with the XYZ color 22.7503, 20.2426, 85.1462.



This preview shows how white text looks on a background with the XYZ color 22.7503, 20.2426,

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

22.7503, 20.2426, 85.1462

Protanopia

23.5138, 20.1488, 82.7706

Deuteranopia

20.3791, 20.0890, 70.5136



Tritanopia

14.1340, 19.9666, 30.3031

Trichromacy



Original Color

22.7503, 20.2426, 85.1462

Protanomaly

22.9120, 19.9993, 83.5416

Deuteranomaly

21.2238, 20.2262, 75.4585

Tritanomaly

16.5145, 19.8107, 46.1335

Monochromacy



Original Color

22.7503, 20.2426, 85.1462

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

13.1284, 14.0833, 31.3046

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.7503, 20.2426, 85.1462 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(5, 122, 240)` looks like.

```
.text, #text, p{  
    color:rgb(5, 122, 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(5, 122, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 122, 240) }
```

Border

The CSS property to change the border of an element to XYZ 22.7503, 20.2426, 85.1462 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(5, 122, 240) }
```


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

```
.border{ border-color:rgb(5, 122, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(5, 122, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 122, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 122, 240);  
box-shadow:4px 4px 4px 4px rgb(5, 122,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 22.7503, 20.2426, 85.1462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 122, 240) }
```

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

```
.background{ background-color: rgb(5, 122,  
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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