

Converting Colors

XYZ(23.2292, 20.4910, 87.0154)

Have a look what the booklet for
XYZ(23.2292, 20.4910, 87.0154)
contains.

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Color

**XYZ(23.1525, 20.4154,
86.7247)**

Conversions

Conversions Part 1

Format	Color
Hex	0D7AF2
RGB	13, 122, 242
RGB Percent	5%, 48%, 95%
CMY	0.9488, 0.5216, 0.0510
CMYK	0.95, 0.50, 0.00, 0.05
HSL	211°, 90%, 50%
HSV	211°, 95%, 95%
XYZ	23.1525, 20.4154, 86.7247
YIQ	103.0890, -103.4840, 14.2120

Conversions

Conversions Part 2

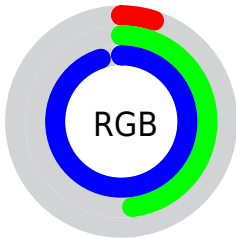
Format	Color
R _Y B	13, 87, 242
Decimal	883442
CIE Lab	52.30, 17.85, -67.63
CIE LCh	52, 69.944, 284.788
Yxy	20.4154, 0.1777, 0.1567
Android (android.graphics.Color)	4279073522 (0xFF0D7AF2)
YUV	103.0890, 68.4831, -79.0081
Hunter-Lab	45.1834, 12.3945, -82.1724

Details

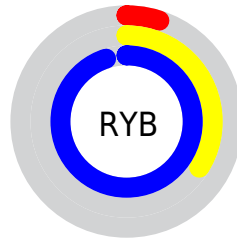
The XYZ color **23.1525, 20.4154, 86.7247** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark saturated azure. A complement of this color would be **45.0866, 35.6973, 4.8966**, and the grayscale version is **12.7647, 13.4294, 14.6246**.

A 20% lighter version of the original color is **39.7416, 40.8716, 100.4021**, and **11.2730, 8.5349, 46.9522** is the 20% darker color. If you saturate the color by 10%, you get **22.1757, 18.7080, 86.4471**, and if you desaturate by 10%, it is **25.4193, 24.0490, 87.3071**.

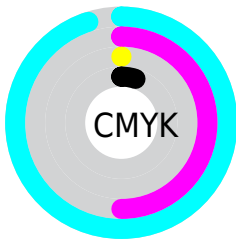
Distribution



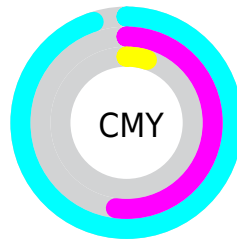
- Red (5%)
- Green (48%)
- Blue (95%)



- Red (5%)
- Yellow (34%)
- Blue (95%)



- Cyan (95%)
- Magenta (50%)
- Yellow (0%)
- Black (5%)



- Cyan (95%)
- Magenta (52%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.1525, 20.4154, 86.7247 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 23.1525, 20.4154, 86.7247 by changing the saturation by 10% instead.

■ 23.1525, 20.4154,
86.7247

■ 23.1525, 20.4154,
86.7247

261.0280,
254.1551, 537.6105

■ 14.8275, 12.6974,
64.7091

■ 48.1084, 44.1125,
144.6758

■ 8.7839, 7.2205,
46.7754

■ 65.4700, 60.8604,
181.4484

■ 4.6565, 3.6004,
32.5050

■ 86.5745, 81.3871,
223.9771

■ 2.0798, 1.4526,
21.4795

■ 111.7873,
106.0768, 272.6804

■ 0.6782, 0.2550,
13.2803

■ 141.4737,
135.3141, 327.9768

■ 0.0000, 0.0000,
7.4889

175.9990,

■ 0.0000, 0.0000,

169.4833, 390.2850

3.6866

215.7287,
208.9689, 460.0234

■ 0.0000, 0.0000,
1.4551

■ 0.0000, 0.0000,
0.1841

■ 23.1525, 20.4154,
86.7247

■ 23.1525, 20.4154,
86.7247

■ 22.1757, 18.7080,
86.4471

■ 25.4193, 24.0490,
87.3071

■ 28.4710, 28.3999,
87.9861

■ 32.4134, 33.5332,
88.7691

■ 37.3331, 39.5034,
89.6622

■ 43.3052, 46.3587,
90.6706

■ 50.3968, 54.1430,
91.7994

■ 58.6691, 62.8965,
93.0530

■ 68.1785, 72.6567,
94.4357

■ 78.9776, 83.4591,
95.9516

Harmonies

Analogous

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



15.9969, 20.4154, 86.5368



23.1525, 20.4154, 86.7247



30.8686, 20.4154, 63.8525

Triad

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



23.1525, 20.4154, 86.7247



30.9673, 20.4154, 4.3728



8.8847, 20.4154, 13.3718

Complementary

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



23.1525, 20.4154, 86.7247



45.0866, 35.6973, 4.8966

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.



11.2011, 20.4154, 4.3031



23.1525, 20.4154, 86.7247



23.2639, 20.4154, 1.7292

Square

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



23.1525, 20.4154, 86.7247



36.0824, 20.4154, 13.5746



16.0840, 20.4154, 1.7154



8.8690, 20.4154, 33.9482

Rectangle

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



23.1525, 20.4154, 86.7247



34.7985, 20.4154, 43.7287



16.0840, 20.4154, 1.7154



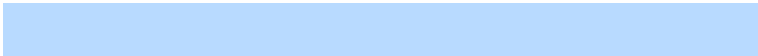
9.3887, 20.4154, 9.2659

Sweetspot

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



23.1535, 20.4159, 86.7253



62.6830, 67.2841, 104.2911



36.0393, 65.2387, 32.2882



12.5621, 13.4951, 22.1927



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.



23.1535, 20.4159, 86.7253



24.9290, 20.9781, 97.3430



16.4007, 6.8181, 84.4565



15.5177, 16.4695, 20.0827



12.0478, 10.3198, 46.4848



1.1012, 1.0565, 3.9001

Inverse Universe

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



40.2757, 20.5718, 20.2604



44.7122, 22.6489, 20.2145



67.1474, 81.7430, 12.6216



16.0860, 15.8841, 18.0091



21.4068, 10.8351, 10.0586



1.8308, 0.9214, 1.0999

Previews

White Background



This preview shows how the XYZ color 23.1525, 20.4154, 86.7247 looks on a white background.

Color Contrast Check

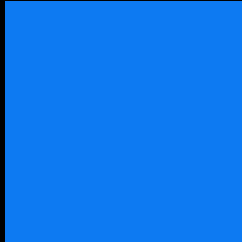
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.1525, 20.4154, 86.7247 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

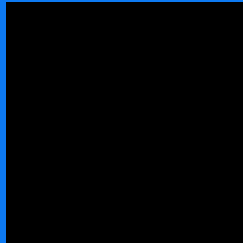
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

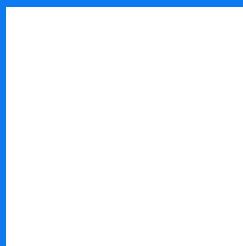
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.1525, 20.4154, 86.7247

Background



This preview shows how black text looks on a background with the XYZ color 23.1525, 20.4154, 86.7247.



This preview shows how white text looks on a background with the XYZ color 23.1525, 20.4154,

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

23.1525, 20.4154, 86.7247

Protanopia

23.9128, 20.4811, 85.1310

Deuteranopia

20.6405, 20.3992, 71.2562



Tritanopia

14.3549, 20.2835, 30.7623

Trichromacy



Original Color

23.1525, 20.4154, 86.7247

Protanomaly

23.5139, 20.4377, 85.9246

Deuteranomaly

21.5391, 20.3566, 76.9227

Tritanomaly

16.7573, 19.9122, 47.2162

Monochromacy



Original Color

23.1525, 20.4154, 86.7247

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

13.9345, 14.7870, 32.6916

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1525, 20.4154, 86.7247 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(13, 122, 242)` looks like.

```
.text, #text, p{  
    color:rgb(13, 122, 242)  
}
```

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(13, 122, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 122, 242) }
```

Border

The CSS property to change the border of an element to XYZ 23.1525, 20.4154, 86.7247 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(13, 122, 242) }
```


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

```
.border{ border-color:rgb(13, 122, 242) }
```

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

Here you see how a box with a 4 pixel rgb(13, 122, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 122, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 122, 242);  
box-shadow:4px 4px 4px 4px rgb(13, 122,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1525, 20.4154, 86.7247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 122, 242) }
```

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

```
.background{ background-color: rgb(13, 122,  
242) }
```

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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