

Converting Colors

XYZ(23.0818, 22.7308, 77.6662)

Have a look what the booklet for
XYZ(23.0818, 22.7308, 77.6662)
contains.

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Color

**XYZ(23.1493, 22.7351,
78.0311)**

Conversions

Conversions Part 1

Format	Color
Hex	1C85E6
RGB	28, 133, 230
RGB Percent	11%, 52%, 90%
CMY	0.8901, 0.4784, 0.0980
CMYK	0.88, 0.42, 0.00, 0.10
HSL	209°, 80%, 51%
HSV	209°, 88%, 90%
XYZ	23.1493, 22.7351, 78.0311
YIQ	112.6630, -93.7170, 7.9070

Conversions

Conversions Part 2

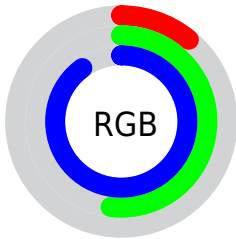
Format	Color
RYP	28, 97, 230
Decimal	1869286
CIELab	54.80, 7.08, -56.91
CIElCh	55, 57.351, 277.096
Yxy	22.7351, 0.1868, 0.1835
Android (android.graphics.Color)	4280059366 (0xFF1C85E6)
YUV	112.6630, 57.8471, -74.2495
Hunter-Lab	47.6813, 3.2194, -63.6519

Details

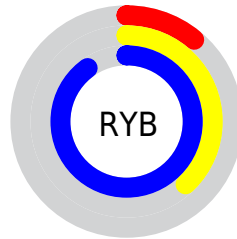
The XYZ color **23.1493, 22.7351, 78.0311** is a dark color, and the websafe version is hex **3399FF**. The color can be described as dark washed azure. A complement of this color would be **40.1801, 31.5807, 5.0782**, and the grayscale version is **15.4532, 16.2580, 17.7050**.

A 20% lighter version of the original color is **42.2910, 45.7826, 101.2157**, and **10.8103, 9.3966, 41.2884** is the 20% darker color. If you saturate the color by 10%, you get **21.2999, 19.6537, 77.5343**, and if you desaturate by 10%, it is **25.6299, 26.3784, 78.6041**.

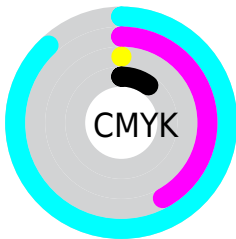
Distribution



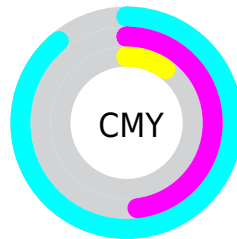
- Red (11%)
- Green (52%)
- Blue (90%)



- Red (11%)
- Yellow (38%)
- Blue (90%)



- Cyan (88%)
- Magenta (42%)
- Yellow (0%)
- Black (10%)



- Cyan (89%)
- Magenta (48%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.1493, 22.7351, 78.0311 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 23.1493, 22.7351, 78.0311 by changing the saturation by 10% instead.

■ 23.1493, 22.7351,
78.0311

■ 23.1493, 22.7351,
78.0311

261.0119,
266.3615, 507.8032

■ 14.8251, 14.3980,
57.5829

■ 48.1032, 47.9580,
132.3802

■ 8.7822, 8.3980,
41.0610

■ 65.4636, 65.6126,
167.1183

■ 4.6554, 4.3507,
28.0467

■ 86.5668, 87.1419,
207.4567

■ 2.0792, 1.8716,
18.1215

■ 111.7782,
112.9301, 253.8140

■ 0.6779, 0.5312,
10.8669

■ 141.4630,
143.3619, 306.6088

■ 0.0000, 0.0000,
5.8644

175.9866,

■ 0.0000, 0.0000,

178.8214, 366.2595

2.6953

215.7145,
219.6931, 433.1848

■ 0.0000, 0.0000,
0.9411

■ 0.0000, 0.0000,
0.0000

■ 23.1493, 22.7351,
78.0311

■ 23.1493, 22.7351,
78.0311

■ 21.2999, 19.6537,
77.5343

■ 25.6299, 26.3784,
78.6041

■ 20.9445, 19.0361,
77.4339

■ 28.8458, 30.6437,
79.2579

■ 32.8770, 35.5789,
79.9980

■ 37.7910, 41.2254,
80.8289

■ 43.6477, 47.6202,
81.7546

■ 50.5014, 54.7972,
82.7786

■ 58.4020, 62.7879,
83.9046

■ 67.3957, 71.6217,
85.1357

■ 77.5260, 81.3265,
86.4749

Harmonies

Analogous

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



17.2059, 22.7351, 72.8126



23.1493, 22.7351, 78.0311



29.8218, 22.7351, 64.3175

Triad

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



23.1493, 22.7351, 78.0311



32.8561, 22.7351, 9.1100



12.2171, 22.7351, 13.5070

Complementary

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



23.1493, 22.7351, 78.0311



40.1801, 31.5807, 5.0782

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.



15.0622, 22.7351, 6.0509



23.1493, 22.7351, 78.0311



26.7058, 22.7351, 4.5174

Square

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



23.1493, 22.7351, 78.0311



36.0937, 22.7351, 20.6896



20.1386, 22.7351, 3.7645



11.6337, 22.7351, 29.3200

Rectangle

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



23.1493, 22.7351, 78.0311



33.5367, 22.7351, 48.9581



20.1386, 22.7351, 3.7645



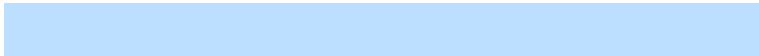
12.9093, 22.7351, 10.2265

Sweetspot

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



23.1503, 22.7358, 78.0317



65.3921, 70.8609, 104.8387



32.3069, 58.2534, 28.0449



13.3029, 14.4536, 22.3386



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.



23.1503, 22.7358, 78.0317



26.3740, 23.8680, 97.8247



15.3565, 7.1483, 75.4338



14.1994, 15.1203, 18.3144



11.9808, 11.0236, 43.8795



0.9783, 1.0005, 3.2735

Inverse Universe

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



37.2829, 19.3483, 23.9602



45.4416, 22.9406, 24.0551



59.3026, 69.8258, 11.4524



14.6883, 14.4925, 16.5587



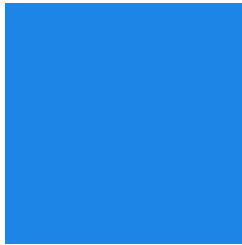
20.4408, 10.3106, 11.2164



1.5574, 0.7807, 1.0759

Previews

White Background



This preview shows how the XYZ color 23.1493, 22.7351, 78.0311 looks on a white background.

Color Contrast Check

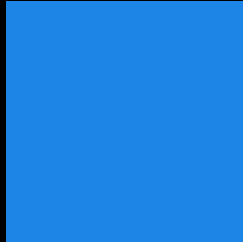
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.1493, 22.7351, 78.0311 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

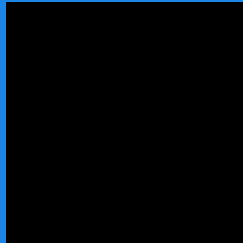
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

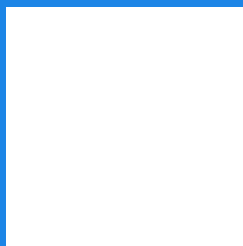
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.1493, 22.7351, 78.0311

Background



This preview shows how black text looks on a background with the XYZ color 23.1493, 22.7351, 78.0311.



This preview shows how white text looks on a background with the XYZ color 23.1493, 22.7351,

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

23.1493, 22.7351, 78.0311

Protanopia

24.9744, 22.5868, 73.5644

Deuteranopia

23.4486, 22.6871, 78.0061



Tritanopia

16.0418, 22.6174, 34.5304

Trichromacy



Original Color

23.1493, 22.7351, 78.0311

Protanomaly

23.8245, 22.3498, 75.0098

Deuteranomaly

23.2617, 22.5908, 77.9973

Tritanomaly

18.0935, 22.4917, 47.6437

Monochromacy



Original Color

23.1493, 22.7351, 78.0311

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

16.1969, 17.6271, 34.0012

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1493, 22.7351, 78.0311 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(28, 133, 230)` looks like.

```
.text, #text, p{  
    color:rgb(28, 133, 230)  
}
```

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(28, 133, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 133, 230) }
```

Border

The CSS property to change the border of an element to XYZ 23.1493, 22.7351, 78.0311 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(28, 133, 230) }
```


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

```
.border{ border-color:rgb(28, 133, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(28, 133, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 133, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 133, 230);  
box-shadow:4px 4px 4px 4px rgb(28, 133,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1493, 22.7351, 78.0311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 133, 230) }
```

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

```
.background{ background-color: rgb(28, 133,  
230) }
```

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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