

Converting Colors

XYZ(15.6477, 18.8724, 81.5264)

Have a look what the booklet for
XYZ(15.6477, 18.8724, 81.5264)
contains.

XYZ(23.3829, 22.7732, 81.7605)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(23.3829, 22.7732,
81.7605)**

Conversions

Conversions Part 1

Format	Color
Hex	0085EB
RGB	0, 133, 235
RGB Percent	0%, 52%, 92%
CMY	0.9998, 0.4784, 0.0784
CMYK	1.00, 0.43, 0.00, 0.08
HSL	206°, 100%, 46%
HSV	206°, 100%, 92%
XYZ	23.3829, 22.7732, 81.7605
YIQ	104.8610, -112.0100, 3.5260

Conversions

Conversions Part 2

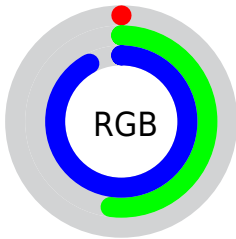
Format	Color
R _Y B	0, 85, 235
Decimal	34283
CIE Lab	54.84, 7.96, -59.65
CIE LCh	55, 60.179, 277.602
Yxy	22.7732, 0.1828, 0.1780
Android (android.graphics.Color)	4278224363 (0xFF0085EB)
YUV	104.8610, 64.1585, -91.9631
Hunter-Lab	47.7213, 3.9508, -68.1762

Details

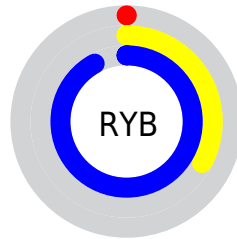
The XYZ color **23.3829, 22.7732, 81.7605** is a dark color, and the websafe version is hex **3399FF**. The color can be described as dark washed azure. A complement of this color would be **39.0190, 27.1773, 3.1910**, and the grayscale version is **13.2488, 13.9388, 15.1794**.

A 20% lighter version of the original color is **41.6723, 45.4636, 101.1867**, and **11.2062, 9.5550, 43.3731** is the 20% darker color. If you saturate the color by 10%, you get **23.3794, 22.7661, 81.7599**, and if you desaturate by 10%, it is **25.2149, 25.8931, 82.2667**.

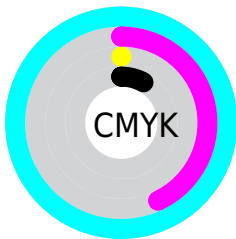
Distribution



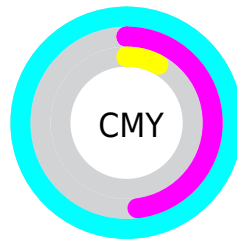
- Red (0%)
- Green (52%)
- Blue (92%)



- Red (0%)
- Yellow (33%)
- Blue (92%)



- Cyan (100%)
- Magenta (43%)
- Yellow (0%)
- Black (8%)



- Cyan (100%)
- Magenta (48%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.3829, 22.7732, 81.7605 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 23.3829, 22.7732, 81.7605 by changing the saturation by 10% instead.

■ 23.3829, 22.7732,
81.7605

■ 23.3829, 22.7732,
81.7605

262.1844,
266.5580, 520.7086

■ 14.9987, 14.4261,
60.6335

■ 48.4833, 48.0207,
137.6718

■ 8.9048, 8.4176,
43.5008

■ 65.9303, 65.6898,
173.2931

■ 4.7358, 4.3633,
29.9439

■ 87.1289, 87.2352,
214.5829

■ 2.1262, 1.8788,
19.5444

■ 112.4446,
113.0410, 261.9598

■ 0.7034, 0.5356,
11.8835

■ 142.2426,
143.4919, 315.8422

■ 0.0000, 0.0000,
6.5428

176.8883,

■ 0.0000, 0.0000,

178.9720, 376.6489

3.1038

216.7471,
219.8659, 444.7981

■ 0.0000, 0.0000,
1.1479

■ 0.0000, 0.0000,
0.0000

■ 23.3829, 22.7732,
81.7605

■ 23.3829, 22.7732,
81.7605

■ 23.3794, 22.7661,
81.7599

■ 25.2149, 25.8931,
82.2667

■ 27.6285, 29.5196,
82.8395

■ 30.7676, 33.7324,
83.4872

■ 34.7176, 38.5805,
84.2147

■ 39.5508, 44.1060,
85.0266

■ 45.3307, 50.3465,
85.9265

■ 52.1144, 57.3361,
86.9180

■ 59.9543, 65.1062,
88.0046

■ 68.8988, 73.6861,
89.1893

Harmonies

Analogous

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



17.1257, 22.7732, 76.4670



23.3829, 22.7732, 81.7605



30.4313, 22.7732, 66.6469

Triad

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



23.3829, 22.7732, 81.7605



33.4507, 22.7732, 8.4813



11.8377, 22.7732, 13.2879

Complementary

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



23.3829, 22.7732, 81.7605



39.0190, 27.1773, 3.1910

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.



14.7375, 22.7732, 5.6179



23.3829, 22.7732, 81.7605



26.8973, 22.7732, 4.0016

Square

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



23.3829, 22.7732, 81.7605



36.9708, 22.7732, 20.2564



19.9959, 22.7732, 3.3203



11.2763, 22.7732, 29.9681

Rectangle

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



23.3829, 22.7732, 81.7605



34.3496, 22.7732, 50.0759



19.9959, 22.7732, 3.3203



12.5376, 22.7732, 9.8858

Sweetspot

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



23.3839, 22.7739, 81.7611



62.5898, 68.8738, 104.6029



32.1011, 60.3742, 22.4977



12.6260, 13.9565, 22.2784



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.



23.3839, 22.7739, 81.7611



28.0673, 27.2546, 98.3891



15.1775, 6.3611, 79.0257



14.9385, 15.9635, 19.2162



13.1410, 12.9289, 45.5459



1.1273, 1.2060, 3.6082

Inverse Universe

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



38.4955, 19.3571, 23.8979



46.2963, 23.2825, 28.5560



59.6813, 68.5021, 10.0785



15.4225, 15.1969, 17.5103



21.4882, 10.7980, 13.6384



1.7355, 0.8672, 1.3245

Previews

White Background



This preview shows how the XYZ color 23.3829, 22.7732, 81.7605 looks on a white background.

Color Contrast Check

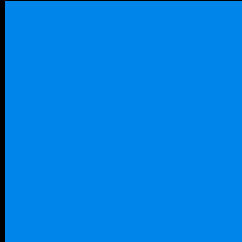
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.3829, 22.7732, 81.7605 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 23.3829, 22.7732, 81.7605

Background



This preview shows how black text looks on a background with the XYZ color 23.3829, 22.7732, 81.7605.



This preview shows how white text looks on a background with the XYZ color 23.3829, 22.7732,

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

23.3829, 22.7732, 81.7605

Protanopia

25.3884, 22.7207, 77.1762

Deuteranopia

23.6141, 22.8924, 81.7713



Tritanopia

16.0418, 22.6174, 34.5304

Trichromacy



Original Color

23.3829, 22.7732, 81.7605

Protanomaly

23.7423, 22.2269, 78.6402

Deuteranomaly

23.5209, 22.8444, 81.7670

Tritanomaly

18.1766, 22.5104, 48.7343

Monochromacy



Original Color

23.3829, 22.7732, 81.7605

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

14.1130, 15.7218, 31.9965

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3829, 22.7732, 81.7605 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(0, 133, 235)` looks like.

```
.text, #text, p{  
    color:rgb(0, 133, 235)  
}
```

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(0, 133, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 133, 235) }
```

Border

The CSS property to change the border of an element to XYZ 23.3829, 22.7732, 81.7605 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(0, 133, 235) }
```


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

```
.border{ border-color:rgb(0, 133, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 133, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 133, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 133, 235);  
box-shadow:4px 4px 4px 4px rgb(0, 133,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 23.3829, 22.7732, 81.7605 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 133, 235) }
```

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

```
.background{ background-color: rgb(0, 133,  
235) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor