

Converting Colors

XYZ(22.3709, 13.8351, 96.0991)

Have a look what the booklet for
XYZ(22.3709, 13.8351, 96.0991)
contains.

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Color

**XYZ(22.3577, 13.8087,
96.0947)**

Conversions

Conversions Part 1

Format	Color
Hex	3351FF
RGB	51, 81, 255
RGB Percent	20%, 32%, 100%
CMY	0.7999, 0.6824, 0.0000
CMYK	0.80, 0.68, 0.00, 0.00
HSL	231°, 100%, 60%
HSV	231°, 80%, 100%
XYZ	22.3577, 13.8087, 96.0947
YIQ	91.8660, -73.7340, 47.7540

Conversions

Conversions Part 2

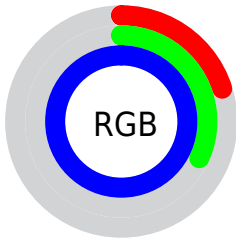
Format	Color
RYB	51, 77, 255
Decimal	3363327
CIELab	43.96, 50.21, -88.47
CIELCh	44, 101.724, 299.579
Yxy	13.8087, 0.1690, 0.1044
Android (android.graphics.Color)	4281553407 (0xFF3351FF)
YUV	91.8660, 80.4251, -35.8395
Hunter-Lab	37.1601, 42.3661, -127.3100

Details

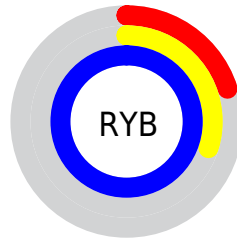
The XYZ color **22.3577, 13.8087, 96.0947** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **68.7688, 75.3609, 14.0558**, and the grayscale version is **9.9767, 10.4963, 11.4304**.

A 20% lighter version of the original color is **35.5264, 28.2779, 98.1935**, and **10.7089, 5.2930, 53.2805** is the 20% darker color. If you saturate the color by 10%, you get **20.0405, 10.5866, 95.5949**, and if you desaturate by 10%, it is **25.8974, 18.4288, 96.7999**.

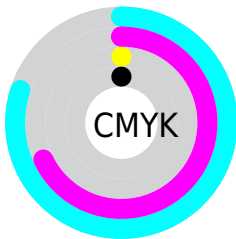
Distribution



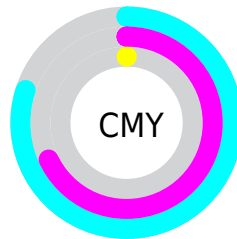
- Red (20%)
- Green (32%)
- Blue (100%)



- Red (20%)
- Yellow (30%)
- Blue (100%)



- Cyan (80%)
- Magenta (68%)
- Yellow (0%)
- Black (0%)



- Cyan (80%)
- Magenta (68%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.3577, 13.8087, 96.0947 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 22.3577, 13.8087, 96.0947 by changing the saturation by 10% instead.

■ 22.3577, 13.8087,
96.0947

■ 22.3577, 13.8087,
96.0947

257.0060,
216.0375, 568.7373

■ 14.2380, 7.9877,
72.4445

■ 46.8110, 32.7492,
157.7847

■ 8.3692, 4.0871,
53.0328

■ 63.8753, 46.6375,
196.6615

■ 4.3859, 1.7224,
37.4411

■ 84.6518, 63.9838,
241.4511

■ 1.9227, 0.4381,
25.2507

■ 109.5060, 85.1723,
292.5718

■ 0.5900, 0.0000,
16.0432

■ 138.8032,
110.5876, 350.4422

■ 0.0000, 0.0000,
9.4001

172.9086,

■ 0.0000, 0.0000,

140.6139, 415.4809

4.9027

212.1878,
175.6358, 488.1064

■ 0.0000, 0.0000,
2.1325

■ 0.0000, 0.0000,
0.6350

■ 22.3577, 13.8087,
96.0947

■ 22.3577, 13.8087,
96.0947

■ 20.0405, 10.5866,
95.5949

■ 25.8974, 18.4288,
96.7999

■ 18.7273, 8.5742,
95.2757

■ 30.8025, 24.5875,
97.7301

■ 18.7265, 8.5730,
95.2755

■ 37.1982, 32.4085,
98.9026

■ 45.1945, 42.0021,
100.3330

■ 54.8909, 53.4693,
102.0353

■ 66.3787, 66.9033,
104.0228

■ 79.7427, 82.3910,
106.3079

■ 95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



13.0112, 13.8087, 117.4199



22.3577, 13.8087, 96.0947



31.5388, 13.8087, 50.5684

Triad

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



22.3577, 13.8087, 96.0947



22.6403, 13.8087, 0.0000



2.9266, 13.8087, 14.7115

Complementary

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



22.3577, 13.8087, 96.0947



68.7688, 75.3609, 14.0558

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.



3.7832, 13.8087, 1.8990



22.3577, 13.8087, 96.0947



13.2390, 13.8087, 0.0000

Square

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



22.3577, 13.8087, 96.0947



31.7436, 13.8087, 2.0448



6.8646, 13.8087, 0.0000



3.7337, 13.8087, 49.3107

Rectangle

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



22.3577, 13.8087, 96.0947



35.0295, 13.8087, 24.5777



6.8646, 13.8087, 0.0000



3.0215, 13.8087, 8.3510

Sweetspot

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



22.3585, 13.8089, 96.0947



61.5543, 61.2778, 103.1913



50.6355, 77.6280, 83.1227



12.3103, 12.1038, 21.9374



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.



22.3585, 13.8089, 96.0947



19.1617, 9.2538, 95.3840



27.3192, 13.7571, 95.8232



17.2184, 17.8084, 22.7798



9.8493, 4.6083, 49.8049



1.0200, 0.5707, 4.8697

Inverse Universe

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



43.9098, 24.2234, 10.1455



41.8474, 21.6801, 4.5823



56.0310, 81.9010, 15.9895



18.1181, 18.0306, 19.2392



21.7597, 11.1932, 2.1190



2.1495, 1.1022, 0.3685

Previews

White Background



This preview shows how the XYZ color 22.3577, 13.8087, 96.0947 looks on a white background.

Color Contrast Check

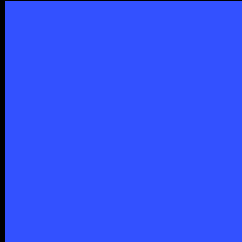
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 22.3577, 13.8087, 96.0947 looks on a black 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

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

XYZ 22.3577, 13.8087, 96.0947

Background



This preview shows how black text looks on a background with the XYZ color 22.3577, 13.8087, 96.0947.



This preview shows how white text looks on a background with the XYZ color 22.3577, 13.8087,

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

22.3577, 13.8087, 96.0947

Protanopia

15.9705, 13.5271, 62.0909

Tritanopia

9.4685, 13.4151, 20.1795

Trichromacy



Original Color

22.3577, 13.8087, 96.0947

Protanomaly

17.8232, 13.2837, 73.5761

Tritanomaly

12.2756, 12.5435, 39.8043

Monochromacy



Original Color

22.3577, 13.8087, 96.0947

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

12.1362, 10.7916, 30.7215

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.3577, 13.8087, 96.0947 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(51, 81, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 81, 255)  
}
```

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(51, 81, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 81, 255) }
```

Border

The CSS property to change the border of an element to XYZ 22.3577, 13.8087, 96.0947 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(51, 81, 255) }
```

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

```
.border{ border-color:rgb(51, 81, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 81, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 81, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 81, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 81,  
255) }
```


Background

The CSS property to change the background color of an element to XYZ 22.3577, 13.8087, 96.0947 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 81, 255) }
```

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

```
.background{ background-color: rgb(51, 81,  
255) }
```

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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