

Converting Colors

XYZ(11.9530, 8.8155, 50.5062)

Have a look what the booklet for
XYZ(11.9530, 8.8155, 50.5062)
contains.

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Color

**XYZ(11.9200, 8.7937,
50.3593)**

Conversions

Conversions Part 1

Format	Color
Hex	004BBF
RGB	0, 75, 191
RGB Percent	0%, 29%, 75%
CMY	0.9999, 0.7059, 0.2510
CMYK	1.00, 0.61, 0.00, 0.25
HSL	216°, 100%, 37%
HSV	216°, 100%, 75%
XYZ	11.9200, 8.7937, 50.3593
YIQ	65.7990, -81.9360, 20.1760

Conversions

Conversions Part 2

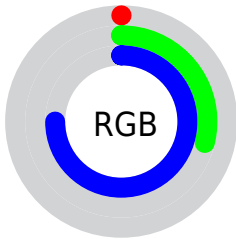
Format	Color
RYB	0, 54, 191
Decimal	19391
CIELab	35.58, 27.93, -65.73
CIElCh	36, 71.419, 293.021
Yxy	8.7937, 0.1677, 0.1237
Android (android.graphics.Color)	4278209471 (0xFF004BBF)
YUV	65.7990, 61.7241, -57.7057
Hunter-Lab	29.6542, 19.8563, -79.9295

Details

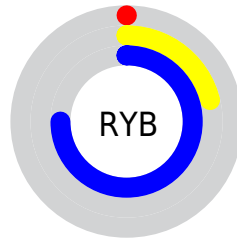
The XYZ color **11.9200, 8.7937, 50.3593** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **27.7360, 23.5762, 3.0899**, and the grayscale version is **5.0658, 5.3296, 5.8040**.

A 20% lighter version of the original color is **28.8501, 23.4300, 91.8088**, and **4.9878, 2.8653, 23.5827** is the 20% darker color. If you saturate the color by 10%, you get **11.9185, 8.7906, 50.3590**, and if you desaturate by 10%, it is **13.0513, 10.6535, 50.6589**.

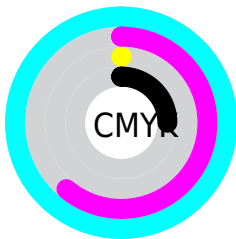
Distribution



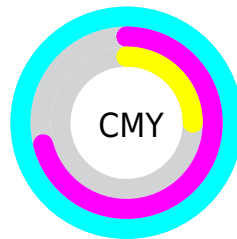
- Red (0%)
- Green (29%)
- Blue (75%)



- Red (0%)
- Yellow (21%)
- Blue (75%)



- Cyan (100%)
- Magenta (61%)
- Yellow (0%)
- Black (25%)



- Cyan (100%)
- Magenta (71%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.9200, 8.7937, 50.3593 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 11.9200, 8.7937, 50.3593 by changing the saturation by 10% instead.

■ 11.9200, 8.7937,
50.3593

■ 11.9200, 8.7937,
50.3593

197.6557,
181.8314, 404.8446

■ 6.7610, 4.6069,
35.3258

■ 28.9674, 23.5003,
92.1088

■ 3.3581, 2.0185,
23.6284

■ 41.5866, 34.7890,
119.6618

■ 1.3458, 0.6182,
14.8485

■ 57.4233, 49.2136,
152.2252

■ 0.2171, 0.0000,
8.5677

■ 76.8427, 67.1587,
190.2173

■ 0.0000, 0.0000,
4.3674

■ 100.2103, 89.0086,
234.0567

■ 0.0000, 0.0000,
1.8290

■ 127.8915,

■ 0.0000, 0.0000,

115.1478, 284.1621

0.4470

160.2515,
145.9606, 340.9519

■ 0.0000, 0.0000,
0.0000

■ 11.9200, 8.7937,
50.3593

■ 11.9200, 8.7937,
50.3593

■ 11.9185, 8.7906,
50.3590

■ 13.0513, 10.6535,
50.6589

■ 14.5989, 12.9518,
51.0209

■ 16.6657, 15.7515,
51.4524

■ 19.3065, 19.0904,
51.9577

■ 22.5684, 23.0015,
52.5407

■ 26.4931, 27.5148,
53.2050

■ 31.1185, 32.6578,
53.9539

■ 36.4793, 38.4563,
54.7906

■ 42.6081, 44.9343,
55.7179

Harmonies

Analogous

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



7.4172, 8.7937, 55.5678



11.9200, 8.7937, 50.3593



16.5843, 8.7937, 31.2310

Triad

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



11.9200, 8.7937, 50.3593



14.1992, 8.7937, 0.3005



2.6417, 8.7937, 7.0366

Complementary

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



11.9200, 8.7937, 50.3593



27.7360, 23.5762, 3.0899

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.



3.4339, 8.7937, 1.3229



11.9200, 8.7937, 50.3593



9.3755, 8.7937, 0.0000

Square

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



11.9200, 8.7937, 50.3593



18.1781, 8.7937, 3.0906



5.5876, 8.7937, 0.0000



2.9209, 8.7937, 21.7244

Rectangle

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



11.9200, 8.7937, 50.3593



18.6699, 8.7937, 18.0138



5.5876, 8.7937, 0.0000



2.7792, 8.7937, 4.2950

Sweetspot

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



11.9205, 8.7939, 50.3596



55.2931, 58.0075, 96.5614



21.7038, 38.4910, 22.3894



11.3368, 11.8489, 21.0749



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



11.9205, 8.7939, 50.3596



21.1262, 15.3042, 90.1197



9.6756, 3.9022, 49.5337



9.3155, 9.8232, 12.0773



7.9061, 5.9240, 33.1197



0.3737, 0.3601, 1.3187

Inverse Universe

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



22.7563, 11.5852, 7.6932



40.6435, 20.7027, 13.1867



35.6233, 46.0217, 7.0066



9.6811, 9.5967, 10.7096



14.9914, 7.6277, 5.2485



0.6195, 0.3117, 0.3757

Previews

White Background



This preview shows how the XYZ color 11.9200, 8.7937, 50.3593 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 ✓ Pass

Black Background



This preview shows how the XYZ color 11.9200, 8.7937, 50.3593 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

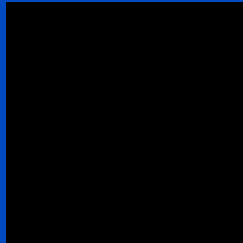
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.9200, 8.7937, 50.3593

Background



This preview shows how black text looks on a background with the XYZ color 11.9200, 8.7937, 50.3593.



This preview shows how white text looks on a background with the XYZ color 11.9200, 8.7937,

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

11.9200, 8.7937, 50.3593

Protanopia

10.2931, 8.8251, 39.6890

Deuteranopia

8.5161, 8.7309, 28.4305



Tritanopia

6.1190, 8.7105, 12.9141

Trichromacy



Original Color

11.9200, 8.7937, 50.3593

Protanomaly

10.8319, 8.8063, 43.2484

Deuteranomaly

9.5389, 8.6432, 35.3480

Tritanomaly

7.4926, 8.3215, 23.0411

Monochromacy



Original Color

11.9200, 8.7937, 50.3593

Achromatopsia

5.1784, 5.4480, 5.9329

Achromatomaly

5.9522, 5.8962, 15.8633

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.9200, 8.7937, 50.3593 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, 75, 191)` looks like.

```
.text, #text, p{  
    color:rgb(0, 75, 191)  
}
```

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, 75, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 75, 191) }
```

Border

The CSS property to change the border of an element to XYZ 11.9200, 8.7937, 50.3593 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, 75, 191) }
```


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

```
.border{ border-color:rgb(0, 75, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 75, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 75, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 75, 191);  
box-shadow:4px 4px 4px 4px rgb(0, 75, 191)  
}
```

Background

The CSS property to change the background color of an element to XYZ 11.9200, 8.7937, 50.3593 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 75, 191) }
```

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

```
.background{ background-color: rgb(0, 75,  
191) }
```

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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