

Converting Colors

XYZ(19.4189, 8.0193, 90.8847)

Have a look what the booklet for
XYZ(19.4189, 8.0193, 90.8847)
contains.

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Color

**XYZ(19.4353, 8.0259,
90.9673)**

Conversions

Conversions Part 1

Format	Color
Hex	4100FA
RGB	65, 0, 250
RGB Percent	25%, 0%, 98%
CMY	0.7450, 1.0000, 0.0196
CMYK	0.74, 1.00, 0.00, 0.02
HSL	256°, 100%, 49%
HSV	256°, 100%, 98%
XYZ	19.4353, 8.0259, 90.9673
YIQ	47.9350, -41.5100, 91.5300

Conversions

Conversions Part 2

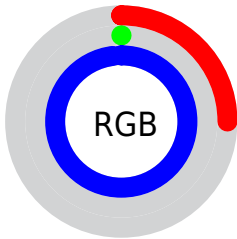
Format	Color
RYB	65, 0, 250
Decimal	4260090
CIELab	34.04, 78.89, -102.10
CIELCh	34, 129.027, 307.694
Yxy	8.0259, 0.1641, 0.0678
Android (android.graphics.Color)	4282450170 (0xFF4100FA)
YUV	47.9350, 99.6180, 14.9660
Hunter-Lab	28.3300, 72.8792, -170.5484

Details

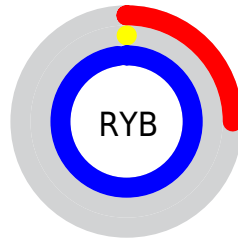
The XYZ color **19.4353, 8.0259, 90.9673** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark saturated blue. A complement of this color would be **54.1900, 78.6841, 12.3314**, and the grayscale version is **2.7023, 2.8431, 3.0961**.

A 20% lighter version of the original color is **31.6541, 17.8683, 96.3883**, and **9.5144, 3.8058, 50.1023** is the 20% darker color. If you saturate the color by 10%, you get **19.4363, 8.0265, 90.9677**, and if you desaturate by 10%, it is **21.2157, 9.4598, 91.1506**.

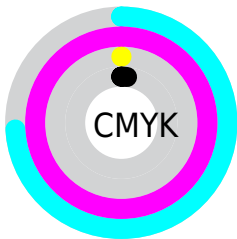
Distribution



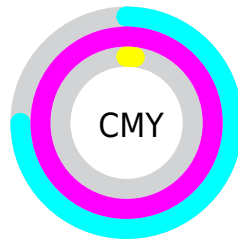
- Red (25%)
- Green (0%)
- Blue (98%)



- Red (25%)
- Yellow (0%)
- Blue (98%)



- Cyan (74%)
- Magenta (100%)
- Yellow (0%)
- Black (2%)





- Cyan (75%)
- Magenta (100%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.4353, 8.0259, 90.9673 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 19.4353, 8.0259, 90.9673 by changing the saturation by 10% instead.


 19.4353, 8.0259,
90.9673


 19.4353, 8.0259,
90.9673


241.7337,
175.9350, 551.8235

 12.0911, 4.1115,
68.2050


 41.9796, 22.0092,
150.6285


 6.8784, 1.7361,
49.5968

 57.9104, 32.8469,
188.3645


 3.4318, 0.4469,
34.7242


 77.4341, 46.7612,
231.9288

 1.3860, 0.0000,
23.1686

 100.9160, 64.1365,
281.7399

 0.2462, 0.0000,
14.5116

 128.7216, 85.3571,
338.2164


 0.0000, 0.0000,
8.3345


 161.2162,


 0.0000, 0.0000,

110.8074, 401.7768

4.2189


 198.7651,
140.8719, 472.8397


 0.0000, 0.0000,
1.7462


 0.0000, 0.0000,
0.3921


 19.4353, 8.0259,
90.9673


 19.4353, 8.0259,
90.9673

 19.4363, 8.0265,
90.9677

 21.2157, 9.4598,
91.1506

 23.8768, 12.0088,
91.5023

 27.5881, 15.9640,
92.0701

 32.4615, 21.5062,
92.8830

■ 38.5928, 28.7887,
93.9655

■ 46.0676, 37.9457,
95.3391

■ 54.9633, 49.0984,
97.0229

■ 65.3512, 62.3575,
99.0346

■ 77.2979, 77.8253,
101.3906

Harmonies

Analogous

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



9.6122, 8.0259, 133.6400



19.4353, 8.0259, 90.9673



28.5989, 8.0259, 33.6670

Triad

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



19.4353, 8.0259, 90.9673



14.0939, 8.0259, 0.0000



0.4600, 8.0259, 15.1101

Complementary

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



19.4353, 8.0259, 90.9673



54.1900, 78.6841, 12.3314

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.



0.6674, 8.0259, 0.6790



19.4353, 8.0259, 90.9673



5.9382, 8.0259, 0.0000

Square

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



19.4353, 8.0259, 90.9673



24.3993, 8.0259, 0.0000



1.9459, 8.0259, 0.0000



1.1141, 8.0259, 61.3219

Rectangle

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



19.4353, 8.0259, 90.9673



31.1149, 8.0259, 10.4130



1.9459, 8.0259, 0.0000



0.4342, 8.0259, 7.2545

Sweetspot

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



19.4363, 8.0265, 90.9677



57.4628, 51.3195, 101.4848



35.1320, 42.6555, 96.8245



11.4194, 9.8751, 21.5542



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.



19.4363, 8.0265, 90.9677



20.3180, 8.3892, 95.1561



37.8715, 17.5302, 91.8304



16.7062, 16.8612, 21.7593



10.4229, 4.3159, 48.2573



1.0599, 0.4485, 4.4739

Inverse Universe

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



48.1800, 23.8263, 47.9509



50.3912, 24.9205, 50.1197



36.2039, 69.4119, 11.4897



17.7890, 17.4429, 20.7445



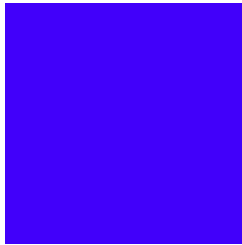
25.6181, 12.6630, 25.7611



2.4160, 1.1901, 2.6138

Previews

White Background



This preview shows how the XYZ color 19.4353, 8.0259, 90.9673 looks on a white background.

Color Contrast Check

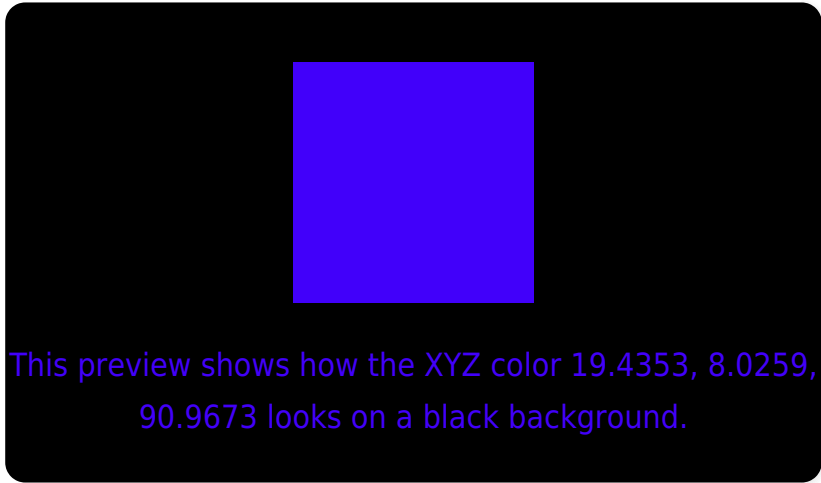
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

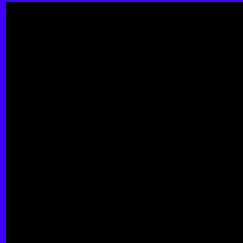
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.4353, 8.0259, 90.9673

Background



This preview shows how black text looks on a background with the XYZ color 19.4353, 8.0259, 90.9673.



This preview shows how white text looks on a background with the XYZ color 19.4353, 8.0259,

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

19.4353, 8.0259, 90.9673

Protanopia

9.4252, 8.1291, 36.1943

Deuteranopia

7.7535, 8.0506, 25.5714



Tritanopia

5.7217, 8.1386, 12.0958

Trichromacy



Original Color

19.4353, 8.0259, 90.9673

Protanomaly

11.3676, 6.4155, 52.2689

Deuteranomaly

9.7865, 5.9951, 43.2892

Tritanomaly

7.4257, 5.3548, 29.9204

Monochromacy



Original Color

19.4353, 8.0259, 90.9673

Achromatopsia

2.8094, 2.9557, 3.2187

Achromatomaly

5.4625, 3.1447, 18.4082

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4353, 8.0259, 90.9673 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(65, 0, 250)` looks like.

```
.text, #text, p{  
    color:rgb(65, 0, 250)  
}
```

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(65, 0, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 0, 250) }
```

Border

The CSS property to change the border of an element to XYZ 19.4353, 8.0259, 90.9673 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(65, 0, 250) }
```


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

```
.border{ border-color:rgb(65, 0, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 0, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 0, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 0, 250);  
box-shadow:4px 4px 4px 4px rgb(65, 0, 250)  
}
```

Background

The CSS property to change the background color of an element to XYZ 19.4353, 8.0259, 90.9673 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 0, 250) }
```

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

```
.background{ background-color: rgb(65, 0,  
250) }
```

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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