

Converting Colors

XYZ(19.3781, 12.4989, 84.0977)

Have a look what the booklet for
XYZ(19.3781, 12.4989, 84.0977)
contains.

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Color

**XYZ(19.3637, 12.5335,
83.8367)**

Conversions

Conversions Part 1

Format	Color
Hex	2351F0
RGB	35, 81, 240
RGB Percent	14%, 32%, 94%
CMY	0.8627, 0.6824, 0.0588
CMYK	0.85, 0.66, 0.00, 0.06
HSL	227°, 87%, 54%
HSV	227°, 85%, 94%
XYZ	19.3637, 12.5335, 83.8367
YIQ	85.3720, -78.4550, 39.6970

Conversions

Conversions Part 2

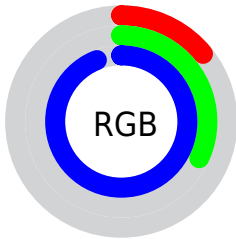
Format	Color
R_{YB}	35, 73, 240
Decimal	2314736
CIE _{Lab}	42.05, 43.98, -83.22
CIE _{LCh}	42, 94.130, 297.857
Yxy	12.5335, 0.1673, 0.1083
Android (android.graphics.Color)	4280504816 (0xFF2351F0)
YUV	85.3720, 76.2316, -44.1762
Hunter-Lab	35.4027, 35.6769, -115.6221

Details

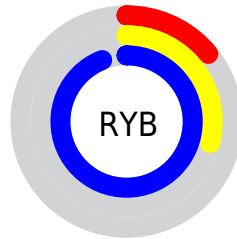
The XYZ color **19.3637, 12.5335, 83.8367** is a dark color, and the websafe version is hex **3366FF**. The color can be described as dark washed blue. A complement of this color would be **55.5360, 57.2407, 9.7133**, and the grayscale version is **8.5710, 9.0174, 9.8199**.

A 20% lighter version of the original color is **33.7784, 27.1783, 98.0734**, and **9.2088, 4.7420, 45.2297** is the 20% darker color. If you saturate the color by 10%, you get **17.6100, 9.8496, 83.4115**, and if you desaturate by 10%, it is **22.0536, 16.2626, 84.4151**.

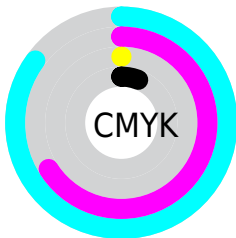
Distribution



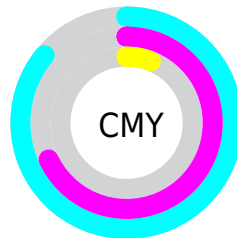
- Red (14%)
- Green (32%)
- Blue (94%)



- Red (14%)
- Yellow (29%)
- Blue (94%)



- Cyan (85%)
- Magenta (66%)
- Yellow (0%)
- Black (6%)



- Cyan (86%)
- Magenta (68%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.3637, 12.5335, 83.8367 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 19.3637, 12.5335, 83.8367 by changing the saturation by 10% instead.

■ 19.3637, 12.5335,
83.8367

■ 19.3637, 12.5335,
83.8367

241.3491,
207.9059, 527.8147

■ 12.0389, 7.1081,
62.3360

■ 41.8599, 30.4631,
140.6064

■ 6.8426, 3.5298,
44.8667

■ 57.7621, 43.7361,
176.7125

■ 3.4093, 1.4142,
31.0103

■ 77.2540, 60.3938,
218.5242

■ 1.3737, 0.2271,
20.3481

■ 100.7012, 80.8205,
266.4599

■ 0.2374, 0.0000,
12.4618

■ 128.4690,
105.4007, 320.9383

■ 0.0000, 0.0000,
6.9326

160.9226,

■ 0.0000, 0.0000,

134.5187, 382.3779

3.3422

198.4275,
168.5590, 451.1971

■ 0.0000, 0.0000,
1.2719

■ 0.0000, 0.0000,
0.0386

■ 19.3637, 12.5335,
83.8367

■ 19.3637, 12.5335,
83.8367

■ 17.6100, 9.8496,
83.4115

■ 22.0536, 16.2626,
84.4151

■ 17.0396, 8.9141,
83.2610

■ 25.8033, 21.1430,
85.1595

■ 30.7186, 27.2670,
86.0825

■ 36.8908, 34.7165,
87.1951

■ 44.4021, 43.5662,
88.5073

■ 53.3274, 53.8849,
90.0286

■ 63.7359, 65.7369,
91.7677

■ 75.6920, 79.1823,
93.7328

■ 89.2567, 94.2782,
95.9316

Harmonies

Analogous

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



11.4171, 12.5335, 99.6103



19.3637, 12.5335, 83.8367



27.3071, 12.5335, 46.0906

Triad

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



19.3637, 12.5335, 83.8367



20.5924, 12.5335, 0.0000



2.8955, 12.5335, 12.2573

Complementary

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



19.3637, 12.5335, 83.8367



55.5360, 57.2407, 9.7133

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.



3.7702, 12.5335, 1.7022



19.3637, 12.5335, 83.8367



12.4225, 12.5335, 0.0000

Square

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



19.3637, 12.5335, 83.8367



28.1903, 12.5335, 2.4037



6.6702, 12.5335, 0.0000



3.5415, 12.5335, 40.7025

Rectangle

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



19.3637, 12.5335, 83.8367



30.4823, 12.5335, 23.4537



6.6702, 12.5335, 0.0000



3.0105, 12.5335, 7.0444

Sweetspot

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



19.3645, 12.5337, 83.8371



60.4530, 60.9827, 103.1924



41.3876, 66.4916, 60.6220



12.1456, 12.1388, 21.9528



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.



19.3645, 12.5337, 83.8371



19.5229, 10.1658, 95.5410



20.5156, 9.6524, 83.2203



15.1848, 15.8037, 19.9717



9.4091, 5.0424, 45.6052



0.8549, 0.5638, 3.8180

Inverse Universe

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



38.0222, 20.3228, 9.7031



41.9834, 21.5574, 5.8449



51.5535, 72.7985, 12.9262



15.9180, 15.8169, 17.1243



20.0749, 10.3024, 3.0450



1.7065, 0.8716, 0.4451

Previews

White Background



This preview shows how the XYZ color 19.3637, 12.5335, 83.8367 looks on a white background.

Color Contrast Check

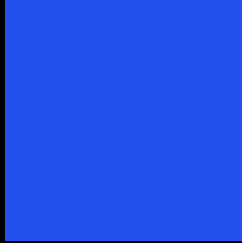
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.3637, 12.5335, 83.8367 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

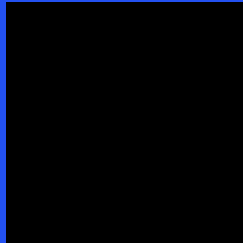
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.3637, 12.5335, 83.8367

Background



This preview shows how black text looks on a background with the XYZ color 19.3637, 12.5335, 83.8367.



This preview shows how white text looks on a background with the XYZ color 19.3637, 12.5335,

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

19.3637, 12.5335, 83.8367

Protanopia

14.5175, 12.3545, 56.2631

Deuteranopia

12.0044, 12.2476, 40.2594



Tritanopia

8.5632, 12.1751, 18.1184

Trichromacy



Original Color

19.3637, 12.5335, 83.8367

Protanomaly

16.0879, 12.3042, 65.8170

Deuteranomaly

14.1325, 12.0765, 53.8107

Tritanomaly

10.9730, 11.5473, 34.9082

Monochromacy



Original Color

19.3637, 12.5335, 83.8367

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

10.2928, 9.4570, 26.4822

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.3637, 12.5335, 83.8367 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(35, 81, 240)` looks like.

```
.text, #text, p{  
    color:rgb(35, 81, 240)  
}
```

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(35, 81, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 81, 240) }
```

Border

The CSS property to change the border of an element to XYZ 19.3637, 12.5335, 83.8367 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(35, 81, 240) }
```


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

```
.border{ border-color:rgb(35, 81, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 81, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 81, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 81, 240);  
box-shadow:4px 4px 4px 4px rgb(35, 81,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 19.3637, 12.5335, 83.8367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 81, 240) }
```

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

```
.background{ background-color: rgb(35, 81,  
240) }
```

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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