

Converting Colors

XYZ(15.4902, 6.2599, 78.6865)

Have a look what the booklet for
XYZ(15.4902, 6.2599, 78.6865)
contains.

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Color

**XYZ(15.5605, 6.2895,
78.9911)**

Conversions

Conversions Part 1

Format	Color
Hex	1F00EB
RGB	31, 0, 235
RGB Percent	12%, 0%, 92%
CMY	0.8783, 1.0000, 0.0784
CMYK	0.87, 1.00, 0.00, 0.08
HSL	248°, 100%, 46%
HSV	248°, 100%, 92%
XYZ	15.5605, 6.2895, 78.9911
YIQ	36.0590, -56.9590, 79.6570

Conversions

Conversions Part 2

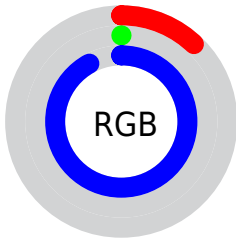
Format	Color
RYB	31, 0, 235
Decimal	2031851
CIELab	30.13, 74.68, -100.17
CIElCh	30, 124.948, 306.707
Yxy	6.2895, 0.1543, 0.0624
Android (android.graphics.Color)	4280221931 (0xFF1F00EB)
YUV	36.0590, 98.0779, -4.4367
Hunter-Lab	25.0789, 66.8645, -169.1909

Details

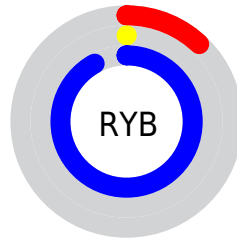
The XYZ color **15.5605, 6.2895, 78.9911** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark washed blue. A complement of this color would be **54.6030, 72.2505, 11.0679**, and the grayscale version is **1.6099, 1.6938, 1.8445**.

A 20% lighter version of the original color is **28.2042, 15.6138, 96.1350**, and **7.9358, 3.1743, 41.7894** is the 20% darker color. If you saturate the color by 10%, you get **15.5613, 6.2899, 78.9914**, and if you desaturate by 10%, it is **16.6986, 7.3459, 79.1353**.

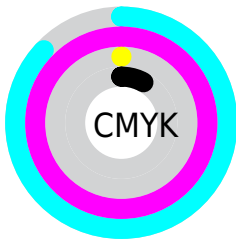
Distribution



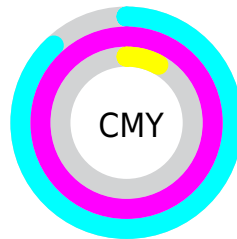
- Red (12%)
- Green (0%)
- Blue (92%)



- Red (12%)
- Yellow (0%)
- Blue (92%)



- Cyan (87%)
- Magenta (100%)
- Yellow (0%)
- Black (8%)



- Cyan (88%)
- Magenta (100%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.5605, 6.2895, 78.9911 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 15.5605, 6.2895, 78.9911 by changing the saturation by 10% instead.

■ 15.5605, 6.2895,
78.9911

■ 15.5605, 6.2895,
78.9911

220.0559,
161.6222, 511.1431

■ 9.3026, 3.0219,
58.3672

■ 35.3972, 18.5289,
133.7449

■ 4.9977, 1.1432,
41.6873

■ 49.7066, 28.2695,
168.7119

■ 2.2807, 0.0145,
28.5328

■ 67.4305, 40.9365,
209.2970

■ 0.7848, 0.0000,
18.4851

■ 88.9344, 56.9144,
255.9187

■ 0.0000, 0.0000,
11.1258

■ 114.5835, 76.5875,
308.9957

■ 0.0000, 0.0000,
6.0363


■ 144.7432,

■ 0.0000, 0.0000,


100.3402, 368.9463


2.7980


 179.7789,
128.5570, 436.1893

 0.0000, 0.0000,
0.9924


 0.0000, 0.0000,
0.0000


 15.5605, 6.2895,
78.9911


 15.5605, 6.2895,
78.9911

 15.5613, 6.2899,
78.9914

 16.6986, 7.3459,
79.1353

 18.6712, 9.4021,
79.4282

 21.6526, 12.7279,
79.9130

 25.7589, 17.4889,
80.6156

■ 31.0902, 23.8253,
81.5576

■ 37.7349, 31.8604,
82.7583

■ 45.7735, 41.7052,
84.2349

■ 55.2797, 53.4613,
86.0030

■ 66.3221, 67.2227,
88.0772

Harmonies

Analogous

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



7.3930, 6.2895, 114.9201



15.5605, 6.2895, 78.9911



23.4521, 6.2895, 29.1809

Triad

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



15.5605, 6.2895, 78.9911



11.6334, 6.2895, 0.0000



0.1412, 6.2895, 11.3511

Complementary

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



15.5605, 6.2895, 78.9911



54.6030, 72.2505, 11.0679

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.



0.3689, 6.2895, 0.1777



15.5605, 6.2895, 78.9911



4.7561, 6.2895, 0.0000

Square

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



15.5605, 6.2895, 78.9911



20.3284, 6.2895, 0.0000



1.4553, 6.2895, 0.0000



0.7251, 6.2895, 49.9225

Rectangle

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



15.5605, 6.2895, 78.9911



25.7626, 6.2895, 8.8747



1.4553, 6.2895, 0.0000



0.1254, 6.2895, 5.1563

Sweetspot

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



15.5613, 6.2899, 78.9914



54.9573, 50.0279, 101.3675



37.4499, 50.9072, 86.4498



10.8431, 9.5780, 21.5272



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.



15.5613, 6.2899, 78.9914



18.6988, 7.5545, 95.0804



26.6579, 12.0104, 79.5107



14.4161, 14.6442, 18.9891



8.7200, 3.5313, 43.9650



0.7438, 0.3078, 3.4551

Inverse Universe

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



45.1570, 22.0206, 58.9804



54.3355, 26.4982, 70.8900



33.9330, 61.5947, 10.1005



15.6243, 15.2776, 18.5726



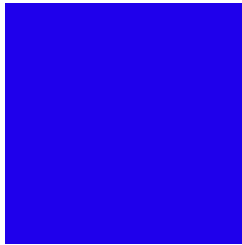
25.1661, 12.2691, 33.0055



1.9999, 0.9729, 2.7170

Previews

White Background



This preview shows how the XYZ color 15.5605, 6.2895, 78.9911 looks on a white background.

Color Contrast Check

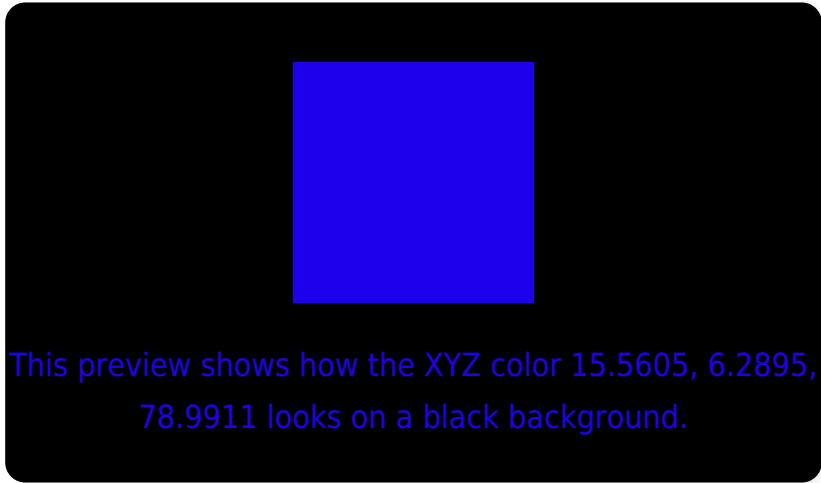
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.5605, 6.2895, 78.9911

Background



This preview shows how black text looks on a background with the XYZ color 15.5605, 6.2895, 78.9911.



This preview shows how white text looks on a background with the XYZ color 15.5605, 6.2895,

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

15.5605, 6.2895, 78.9911

Protanopia

7.3785, 6.4556, 28.0513

Deuteranopia

6.1542, 6.4874, 19.9966



Tritanopia

4.4689, 6.3774, 9.3829

Trichromacy



Original Color

15.5605, 6.2895, 78.9911

Protanomaly

9.1123, 5.1623, 42.6356

Deuteranomaly

7.8958, 4.8654, 35.6449

Tritanomaly

5.9820, 4.3029, 24.9413

Monochromacy



Original Color

15.5605, 6.2895, 78.9911

Achromatopsia

1.6769, 1.7642, 1.9212

Achromatomaly

3.6729, 2.0356, 14.3867

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.5605, 6.2895, 78.9911 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(31, 0, 235)` looks like.

```
.text, #text, p{  
    color:rgb(31, 0, 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(31, 0, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 0, 235) }
```

Border

The CSS property to change the border of an element to XYZ 15.5605, 6.2895, 78.9911 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(31, 0, 235) }
```


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

```
.border{ border-color:rgb(31, 0, 235) }
```

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

Here you see how a box with a 4 pixel rgb(31, 0, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 0, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 0, 235);  
box-shadow:4px 4px 4px 4px rgb(31, 0, 235)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.5605, 6.2895, 78.9911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 0, 235) }
```

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

```
.background{ background-color: rgb(31, 0,  
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](#).

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