

Converting Colors

XYZ(18.1272, 7.6900, 86.7743)

Have a look what the booklet for
XYZ(18.1272, 7.6900, 86.7743)
contains.

XYZ(18.1736, 7.7185, 86.9182)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(18.1736, 7.7185,
86.9182)**

Conversions

Conversions Part 1

Format	Color
Hex	360FF5
RGB	54, 15, 245
RGB Percent	21%, 6%, 96%
CMY	0.7882, 0.9412, 0.0392
CMYK	0.78, 0.94, 0.00, 0.04
HSL	250°, 92%, 51%
HSV	250°, 94%, 96%
XYZ	18.1736, 7.7185, 86.9182
YIQ	52.8810, -50.5860, 79.7980

Conversions

Conversions Part 2

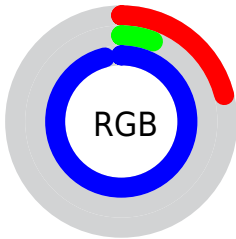
Format	Color
R_{YB}	54, 15, 245
Decimal	3543029
CIE _{Lab}	33.39, 75.17, -100.38
CIE _{LCh}	33, 125.400, 306.828
Yxy	7.7185, 0.1611, 0.0684
Android (android.graphics.Color)	4281733109 (0xFF360FF5)
YUV	52.8810, 94.7147, 0.9814
Hunter-Lab	27.7822, 68.1462, -166.0447

Details

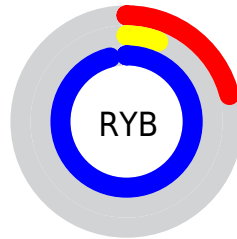
The XYZ color **18.1736, 7.7185, 86.9182** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark saturated blue. A complement of this color would be **58.1834, 78.4568, 12.5284**, and the grayscale version is **3.2635, 3.4334, 3.7390**.

A 20% lighter version of the original color is **30.6059, 17.7371, 96.4182**, and **8.9696, 3.5879, 47.2335** is the 20% darker color. If you saturate the color by 10%, you get **17.4190, 7.0759, 86.8343**, and if you desaturate by 10%, it is **20.0748, 9.5458, 87.1710**.

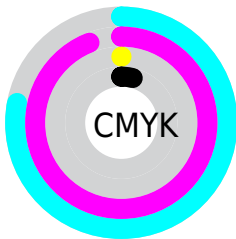
Distribution



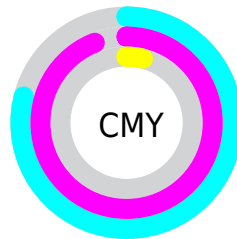
- Red (21%)
- Green (6%)
- Blue (96%)



- Red (21%)
- Yellow (6%)
- Blue (96%)



- Cyan (78%)
- Magenta (94%)
- Yellow (0%)
- Black (4%)



- Cyan (79%)
- Magenta (94%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.1736, 7.7185, 86.9182 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 18.1736, 7.7185, 86.9182 by changing the saturation by 10% instead.

■ 18.1736, 7.7185,
86.9182

■ 18.1736, 7.7185,
86.9182

234.8744,
173.5071, 538.2633

■ 11.1751, 3.9154,
64.8683

■ 39.8607, 21.4047,
144.9480

■ 6.2529, 1.6263,
46.9036

■ 55.2800, 32.0566,
181.7649

■ 3.0416, 0.3753,
32.6057

■ 74.2370, 45.7601,
224.3413

■ 1.1758, 0.0000,
21.5559

■ 97.0970, 62.8998,
273.0956

■ 0.0871, 0.0000,
13.3358

■ 124.2254, 83.8599,
328.4464

■ 0.0000, 0.0000,
7.5267


■ 155.9875,


■ 0.0000, 0.0000,


109.0249, 390.8123


3.7102


 192.7488,
138.7792, 460.6117

 0.0000, 0.0000,
1.4678

 0.0000, 0.0000,
0.1937


 18.1736, 7.7185,
86.9182


 18.1736, 7.7185,
86.9182

 17.4190, 7.0759,
86.8343

 20.0748, 9.5458,
87.1710

 23.0024, 12.6745,
87.6206

 27.0871, 17.2996,
88.2981

 32.4389, 23.5824,
89.2287

■ 39.1541, 31.6628,
90.4344

■ 47.3198, 41.6662,
91.9349

■ 57.0155, 53.7062,
93.7479

■ 68.3149, 67.8878,
95.8896

■ 81.2869, 84.3087,
98.3755

Harmonies

Analogous

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



8.9878, 7.7185, 125.4432



18.1736, 7.7185, 86.9182



26.8734, 7.7185, 33.1153

Triad

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



18.1736, 7.7185, 86.9182



13.7113, 7.7185, 0.0000



0.4738, 7.7185, 13.6358

Complementary

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



18.1736, 7.7185, 86.9182



58.1834, 78.4568, 12.5284

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.



0.6991, 7.7185, 0.5749



18.1736, 7.7185, 86.9182



5.9004, 7.7185, 0.0000

Square

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



18.1736, 7.7185, 86.9182



23.3749, 7.7185, 0.0000



1.9862, 7.7185, 0.0000



1.0830, 7.7185, 56.0835

Rectangle

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



18.1736, 7.7185, 86.9182



29.3860, 7.7185, 10.6308



1.9862, 7.7185, 0.0000



0.4568, 7.7185, 6.5123

Sweetspot

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



18.1743, 7.7185, 86.9185



57.7987, 53.0328, 101.7978



38.9098, 51.1572, 94.2101



11.4099, 10.1593, 21.6095



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.



18.1743, 7.7185, 86.9185



19.0577, 7.7395, 95.0972



32.8705, 15.2947, 87.6063



15.8432, 16.0618, 20.8078



9.4618, 3.8521, 46.7829



0.9049, 0.3764, 4.1152

Inverse Universe

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



48.9636, 24.2084, 60.4643



53.0894, 25.9998, 64.3280



37.1180, 67.5972, 11.5426



17.0858, 16.7172, 20.1985



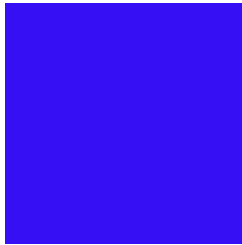
26.1658, 12.8098, 31.9111



2.3310, 1.1384, 2.9692

Previews

White Background



This preview shows how the XYZ color 18.1736, 7.7185, 86.9182 looks on a white background.

Color Contrast Check

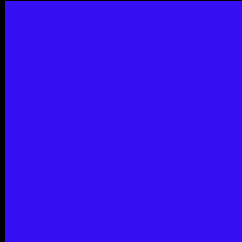
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.1736, 7.7185, 86.9182 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 18.1736, 7.7185, 86.9182

Background



This preview shows how black text looks on a background with the XYZ color 18.1736, 7.7185, 86.9182.



This preview shows how white text looks on a background with the XYZ color 18.1736, 7.7185,

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

18.1736, 7.7185, 86.9182

Protanopia

8.8424, 7.6721, 33.8157

Deuteranopia

7.3156, 7.6341, 24.0096



Tritanopia

5.3400, 7.5891, 11.3086

Trichromacy



Original Color

18.1736, 7.7185, 86.9182

Protanomaly

10.9019, 6.5048, 49.3961

Deuteranomaly

9.4895, 6.1701, 41.2482

Tritanomaly

7.3025, 5.6243, 28.7177

Monochromacy



Original Color

18.1736, 7.7185, 86.9182

Achromatopsia

3.3839, 3.5601, 3.8770

Achromatomaly

5.7689, 3.6380, 19.1370

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.1736, 7.7185, 86.9182 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(54, 15, 245)` looks like.

```
.text, #text, p{  
    color:rgb(54, 15, 245)  
}
```

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(54, 15, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 15, 245) }
```

Border

The CSS property to change the border of an element to XYZ 18.1736, 7.7185, 86.9182 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(54, 15, 245) }
```


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

```
.border{ border-color:rgb(54, 15, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(54, 15, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 15, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 15, 245);  
box-shadow:4px 4px 4px 4px rgb(54, 15,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 18.1736, 7.7185, 86.9182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 15, 245) }
```

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

```
.background{ background-color: rgb(54, 15,  
245) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor