

Converting Colors

XYZ(12.8653, 5.2005, 65.2927)

Have a look what the booklet for
XYZ(12.8653, 5.2005, 65.2927)
contains.

XYZ(12.8736, 5.2047, 65.2919)	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(12.8736, 5.2047,
65.2919)**

Conversions

Conversions Part 1

Format	Color
Hex	1C00D8
RGB	28, 0, 216
RGB Percent	11%, 0%, 85%
CMY	0.8901, 1.0000, 0.1529
CMYK	0.87, 1.00, 0.00, 0.15
HSL	248°, 100%, 42%
HSV	248°, 100%, 85%
XYZ	12.8736, 5.2047, 65.2919
YIQ	32.9960, -52.6480, 73.1120

Conversions

Conversions Part 2

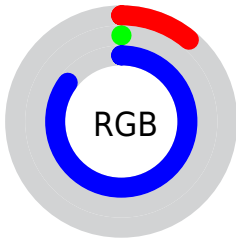
Format	Color
RYB	28, 0, 216
Decimal	1835224
CIELab	27.31, 70.10, -93.98
CIELCh	27, 117.243, 306.717
Yxy	5.2047, 0.1544, 0.0624
Android (android.graphics.Color)	4280025304 (0xFF1C00D8)
YUV	32.9960, 90.2210, -4.3815
Hunter-Lab	22.8138, 60.8015, -153.7151

Details

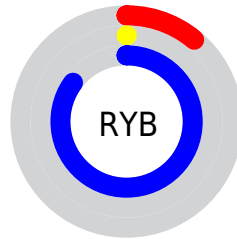
The XYZ color **12.8736, 5.2047, 65.2919** is a dark color, and the websafe version is hex **0000CC**. The color can be described as dark washed blue. A complement of this color would be **45.2886, 59.8000, 9.1556**, and the grayscale version is **1.3849, 1.4571, 1.5867**.

A 20% lighter version of the original color is **27.2007, 14.8294, 96.0365**, and **6.2580, 2.5032, 32.9542** is the 20% darker color. If you saturate the color by 10%, you get **12.8743, 5.2051, 65.2922**, and if you desaturate by 10%, it is **13.8382, 6.1167, 65.4173**.

Distribution



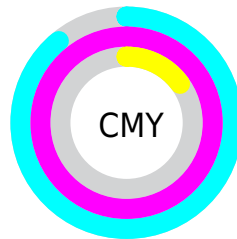
- Red (11%)
- Green (0%)
- Blue (85%)



- Red (11%)
- Yellow (0%)
- Blue (85%)



- Cyan (87%)
- Magenta (100%)
- Yellow (0%)
- Black (15%)



- Cyan (89%)
- Magenta (100%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8736, 5.2047, 65.2919 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 12.8736, 5.2047, 65.2919 by changing the saturation by 10% instead.

■ 12.8736, 5.2047,
65.2919

■ 12.8736, 5.2047,
65.2919

203.7600,
151.7805, 462.1751

■ 7.4180, 2.3679,
47.2450

■ 30.6798, 16.2572,
114.0867

■ 3.7735, 0.8093,
32.8736

■ 43.7610, 25.2417,
145.6717

■ 1.5748, 0.0000,
21.7593

■ 60.1148, 37.0442,
182.6064

■ 0.3759, 0.0000,
13.4835

■ 80.1066, 52.0491,
225.3094

■ 0.0000, 0.0000,
7.6277

■ 104.1016, 70.6407,
274.1992


■ 0.0000, 0.0000,
3.7733


■ 132.4653, 93.2036,

■ 0.0000, 0.0000,

329.6944


1.5018

 165.5630,
120.1220, 392.2135

 0.0000, 0.0000,
0.2193


 0.0000, 0.0000,
0.0000


 12.8736, 5.2047,
65.2919


 12.8736, 5.2047,
65.2919

 12.8743, 5.2051,
65.2922

 13.8382, 6.1167,
65.4173

 15.4872, 7.8454,
65.6641

 17.9673, 10.6198,
66.0689

 21.3729, 14.5739,
66.6526

■ 25.7853, 19.8216,
67.4330

■ 31.2767, 26.4632,
68.4255

■ 37.9126, 34.5889,
69.6442

■ 45.7534, 44.2815,
71.1018

■ 54.8549, 55.6177,
72.8102

Harmonies

Analogous

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



6.1192, 5.2047, 95.0004



12.8736, 5.2047, 65.2919



19.3973, 5.2047, 24.1205

Triad

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



12.8736, 5.2047, 65.2919



9.6212, 5.2047, 0.0000



0.0312, 5.2047, 9.3980

Complementary

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



12.8736, 5.2047, 65.2919



45.2886, 59.8000, 9.1556

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.



0.2446, 5.2047, 0.0520



12.8736, 5.2047, 65.2919



3.9348, 5.2047, 0.0000

Square

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



12.8736, 5.2047, 65.2919



16.8106, 5.2047, 0.0000



1.2049, 5.2047, 0.0000



0.5794, 5.2047, 41.2946

Rectangle

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



12.8736, 5.2047, 65.2919



21.3060, 5.2047, 7.3370



1.2049, 5.2047, 0.0000



0.0163, 5.2047, 4.2719

Sweetspot

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



12.8743, 5.2051, 65.2922



54.9142, 50.0057, 101.3655



30.9820, 42.1325, 71.4655



10.8332, 9.5729, 21.5267



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.



12.8743, 5.2051, 65.2922



18.6800, 7.5448, 95.0795



22.0992, 9.9608, 65.7239



11.8909, 12.0852, 15.6435



7.6710, 3.1070, 38.6486



0.5129, 0.2133, 2.3334

Inverse Universe

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



37.3933, 18.2287, 49.1099



54.4132, 26.5293, 71.2991



28.1056, 50.9419, 8.3514



12.8805, 12.6037, 15.3107



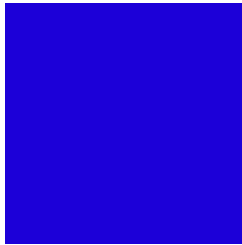
22.1614, 10.8009, 29.2175



1.3564, 0.6594, 1.8663

Previews

White Background



This preview shows how the XYZ color 12.8736, 5.2047, 65.2919 looks on a white background.

Color Contrast Check

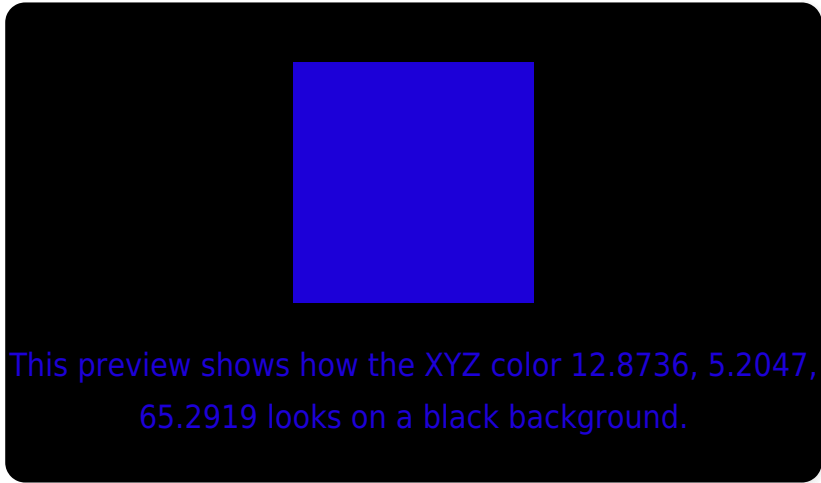
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.8736, 5.2047, 65.2919

Background



This preview shows how black text looks on a background with the XYZ color 12.8736, 5.2047, 65.2919.



This preview shows how white text looks on a background with the XYZ color 12.8736, 5.2047,

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

12.8736, 5.2047, 65.2919

Protanopia

6.1365, 5.3880, 23.2708

Deuteranopia

5.1044, 5.3491, 16.6830



Tritanopia

3.7883, 5.4334, 7.8703

Trichromacy



Original Color

12.8736, 5.2047, 65.2919

Protanomaly

7.6190, 4.3307, 35.5563

Deuteranomaly

6.5750, 4.0266, 29.7088

Tritanomaly

5.0380, 3.6561, 20.8622

Monochromacy



Original Color

12.8736, 5.2047, 65.2919

Achromatopsia

1.4456, 1.5209, 1.6562

Achromatomaly

3.1335, 1.7477, 12.2288

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8736, 5.2047, 65.2919 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(28, 0, 216)` looks like.

```
.text, #text, p{  
    color:rgb(28, 0, 216)  
}
```

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(28, 0, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 0, 216) }
```

Border

The CSS property to change the border of an element to XYZ 12.8736, 5.2047, 65.2919 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(28, 0, 216) }
```


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

```
.border{ border-color:rgb(28, 0, 216) }
```

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

Here you see how a box with a 4 pixel rgb(28, 0, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 0, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 0, 216);  
box-shadow:4px 4px 4px 4px rgb(28, 0, 216)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.8736, 5.2047, 65.2919 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 0, 216) }
```

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

```
.background{ background-color: rgb(28, 0,  
216) }
```

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