

Converting Colors

XYZ(17.3764, 7.8523, 86.8264)

Have a look what the booklet for
XYZ(17.3764, 7.8523, 86.8264)
contains.

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Color

**XYZ(17.4262, 7.8870,
86.9901)**

Conversions

Conversions Part 1

Format	Color
Hex	1921F5
RGB	25, 33, 245
RGB Percent	10%, 13%, 96%
CMY	0.9018, 0.8706, 0.0392
CMYK	0.90, 0.87, 0.00, 0.04
HSL	238°, 92%, 53%
HSV	238°, 90%, 96%
XYZ	17.4262, 7.8870, 86.9901
YIQ	54.7760, -72.8200, 64.2360

Conversions

Conversions Part 2

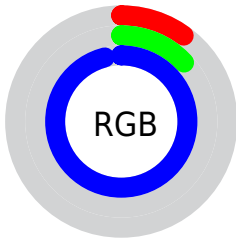
Format	Color
R _Y B	25, 33, 245
Decimal	1647093
CIE Lab	33.75, 69.62, -99.81
CIE LCh	34, 121.695, 304.898
Yxy	7.8870, 0.1552, 0.0702
Android (android.graphics.Color)	4279837173 (0xFF1921F5)
YUV	54.7760, 93.7804, -26.1136
Hunter-Lab	28.0838, 61.6139, -163.9932

Details

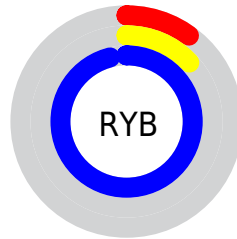
The XYZ color **17.4262, 7.8870, 86.9901** is a dark color, and the websafe version is hex **0033FF**. The color can be described as dark washed blue. A complement of this color would be **68.1286, 80.0757, 12.7871**, and the grayscale version is **3.4972, 3.6793, 4.0068**.

A 20% lighter version of the original color is **29.4038, 18.0132, 96.5349**, and **8.9696, 3.5879, 47.2335** is the 20% darker color. If you saturate the color by 10%, you get **16.5900, 6.7996, 86.8246**, and if you desaturate by 10%, it is **19.2178, 10.1464, 87.3321**.

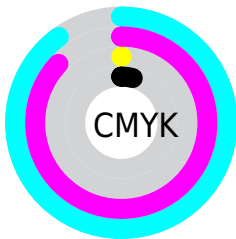
Distribution



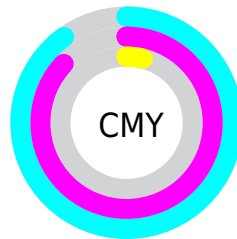
- Red (10%)
- Green (13%)
- Blue (96%)



- Red (10%)
- Yellow (13%)
- Blue (96%)



- Cyan (90%)
- Magenta (87%)
- Yellow (0%)
- Black (4%)



- Cyan (90%)
- Magenta (87%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.4262, 7.8870, 86.9901 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 17.4262, 7.8870, 86.9901 by changing the saturation by 10% instead.

■ 17.4262, 7.8870,
86.9901

■ 17.4262, 7.8870,
86.9901

230.7253,
174.8430, 538.5057

■ 10.6360, 4.0227,
64.9274

■ 38.5949, 21.7366,
145.0491

■ 5.8881, 1.6863,
46.9513

■ 53.7042, 32.4908,
181.8825

■ 2.8172, 0.4148,
32.6431

■ 72.3171, 46.3103,
224.4766

■ 1.0578, 0.0000,
21.5843

■ 94.7992, 63.5797,
273.2498

■ 0.0000, 0.0000,
13.3564

■ 121.5157, 84.6832,
328.6208

■ 0.0000, 0.0000,
7.5408

■ 152.8319,

■ 0.0000, 0.0000,

110.0053, 391.0081

3.7190

189.1134,
139.9305, 460.8302

■ 0.0000, 0.0000,
1.4725

■ 0.0000, 0.0000,
0.1973

■ 17.4262, 7.8870,
86.9901

■ 17.4262, 7.8870,
86.9901

■ 16.5900, 6.7996,
86.8246

■ 19.2178, 10.1464,
87.3321

■ 16.5777, 6.7850,
86.8224

■ 22.1930, 13.8194,
87.8843

■ 26.5100, 19.0863,
88.6733

■ 32.3021, 26.1006,
89.7220

■ 39.6866, 34.9980,
91.0501

■ 48.7691, 45.9006,
92.6758

■ 59.6458, 58.9203,
94.6156

■ 72.4061, 74.1606,
96.8848

■ 87.1332, 91.7186,
99.4976

Harmonies

Analogous

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



8.6397, 7.8870, 120.7564



17.4262, 7.8870, 86.9901



26.0122, 7.8870, 35.3022

Triad

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



17.4262, 7.8870, 86.9901



14.3194, 7.8870, 0.0000



0.5910, 7.8870, 12.1018

Complementary

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



17.4262, 7.8870, 86.9901



68.1286, 80.0757, 12.7871

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.



0.8608, 7.8870, 0.4584



17.4262, 7.8870, 86.9901



6.4586, 7.8870, 0.0000

Square

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



17.4262, 7.8870, 86.9901



23.5936, 7.8870, 0.0000



2.3086, 7.8870, 0.0000



1.1448, 7.8870, 51.0701

Rectangle

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



17.4262, 7.8870, 86.9901



28.7501, 7.8870, 12.2659



2.3086, 7.8870, 0.0000



0.5919, 7.8870, 5.7297

Sweetspot

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



17.4269, 7.8870, 86.9904



56.4566, 53.9188, 102.0395



47.9059, 71.4528, 89.1104



11.2702, 10.5656, 21.6953



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.



17.4269, 7.8870, 86.9904



18.1501, 7.4203, 95.0834



25.1448, 11.5758, 87.2956



15.6292, 16.0227, 20.8115



8.9520, 3.6978, 46.7799



0.8034, 0.3582, 4.1170

Inverse Universe

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



38.2791, 20.2191, 3.3234



41.2905, 21.2802, 2.1962



44.6852, 71.4878, 12.3650



16.5234, 16.4922, 17.2370



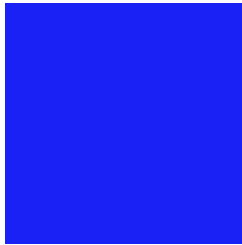
20.3231, 10.4727, 1.1437



1.7946, 0.9238, 0.1447

Previews

White Background



This preview shows how the XYZ color 17.4262, 7.8870, 86.9901 looks on a white background.

Color Contrast Check

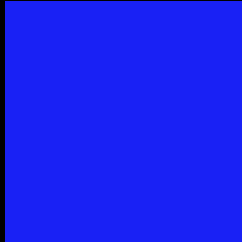
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.4262, 7.8870, 86.9901 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

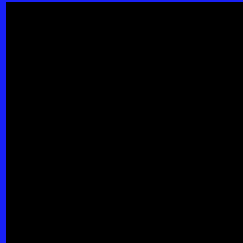
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.4262, 7.8870, 86.9901

Background



This preview shows how black text looks on a background with the XYZ color 17.4262, 7.8870, 86.9901.



This preview shows how white text looks on a background with the XYZ color 17.4262, 7.8870,

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

17.4262, 7.8870, 86.9901

Protanopia

8.8424, 7.6721, 33.8157

Tritanopia

5.2965, 7.5717, 11.0799

Trichromacy



Original Color

17.4262, 7.8870, 86.9901

Protanomaly

11.0228, 7.0075, 49.4868

Tritanomaly

7.3863, 6.1790, 28.4071

Monochromacy



Original Color

17.4262, 7.8870, 86.9901

Achromatopsia

3.6313, 3.8204, 4.1605

Achromatomaly

5.6933, 4.0237, 19.5454

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.4262, 7.8870, 86.9901 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(25, 33, 245)` looks like.

```
.text, #text, p{  
    color:rgb(25, 33, 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(25, 33, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 33, 245) }
```

Border

The CSS property to change the border of an element to XYZ 17.4262, 7.8870, 86.9901 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(25, 33, 245) }
```

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

```
.border{ border-color:rgb(25, 33, 245) }
```

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

Here you see how a box with a 4 pixel rgb(25, 33, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 33, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 33, 245);  
box-shadow:4px 4px 4px 4px rgb(25, 33,  
245) }
```


Background

The CSS property to change the background color of an element to XYZ 17.4262, 7.8870, 86.9901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 33, 245) }
```

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

```
.background{ background-color: rgb(25, 33,  
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](#).

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