

Converting Colors

XYZ(17.8535, 8.1236, 90.9873)

Have a look what the booklet for
XYZ(17.8535, 8.1236, 90.9873)
contains.

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Color

**XYZ(17.8564, 8.1042,
91.0656)**

Conversions

Conversions Part 1

Format	Color
Hex	0023FA
RGB	0, 35, 250
RGB Percent	0%, 14%, 98%
CMY	0.9997, 0.8628, 0.0196
CMYK	1.00, 0.86, 0.00, 0.02
HSL	232°, 100%, 49%
HSV	232°, 100%, 98%
XYZ	17.8564, 8.1042, 91.0656
YIQ	49.0450, -89.8750, 59.4450

Conversions

Conversions Part 2

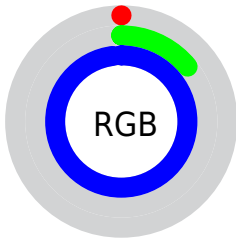
Format	Color
RYB	0, 31, 250
Decimal	9210
CIELab	34.20, 69.99, -101.89
CIELCh	34, 123.610, 304.488
Yxy	8.1042, 0.1526, 0.0693
Android (android.graphics.Color)	4278199290 (0xFF0023FA)
YUV	49.0450, 99.0708, -43.0125
Hunter-Lab	28.4679, 62.1449, -169.7347

Details

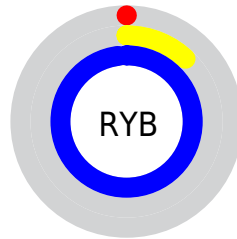
The XYZ color **17.8564, 8.1042, 91.0656** is a dark color, and the websafe version is hex **0033FF**. The color can be described as dark saturated blue. A complement of this color would be **63.7475, 68.9695, 9.9548**, and the grayscale version is **2.8277, 2.9750, 3.2397**.

A 20% lighter version of the original color is **29.0109, 18.0510, 96.5629**, and **9.5144, 3.8058, 50.1023** is the 20% darker color. If you saturate the color by 10%, you get **17.8542, 8.0998, 91.0652**, and if you desaturate by 10%, it is **19.0967, 9.9868, 91.3639**.

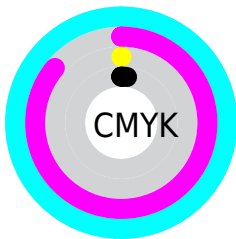
Distribution



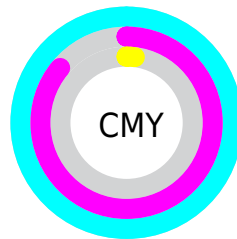
- Red (0%)
- Green (14%)
- Blue (98%)



- Red (0%)
- Yellow (12%)
- Blue (98%)



- Cyan (100%)
- Magenta (86%)
- Yellow (0%)
- Black (2%)




- Cyan (100%)
- Magenta (86%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 17.8564, 8.1042, 91.0656 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 17.8564, 8.1042, 91.0656 by changing the saturation by 10% instead.


 17.8564, 8.1042,
91.0656


 17.8564, 8.1042,
91.0656


233.1217,
176.5470, 552.1504


 10.9460, 4.1617,
68.2861


 39.3245, 22.1625,
150.7661


 6.0976, 1.7644,
49.6624


 54.6129, 33.0470,
188.5242


 2.9457, 0.4649,
34.7759


 73.4247, 47.0144,
232.1122

 1.1251, 0.0000,
23.2081

 96.1252, 64.4489,
281.9487

 0.0460, 0.0000,
14.5405

 123.0798, 85.7351,
338.4523

 0.0000, 0.0000,
8.3545

 154.6538,

 0.0000, 0.0000,

111.2572, 402.0414

4.2316

191.2127,
141.3997, 473.1346

■ 0.0000, 0.0000,
1.7533

■ 0.0000, 0.0000,
0.3968

■ 17.8564, 8.1042,
91.0656

■ 17.8564, 8.1042,
91.0656

■ 17.8542, 8.0998,
91.0652

■ 19.0967, 9.9868,
91.3639

■ 21.2995, 13.0319,
91.8356

■ 24.6738, 17.4226,
92.5052

■ 29.3596, 23.2960,
93.3920

■ 35.4762, 30.7719,
94.5126

■ 43.1295, 39.9578,
95.8823

■ 52.4152, 50.9514,
97.5148

■ 63.4212, 63.8432,
99.4231

■ 76.2288, 78.7176,
101.6191

Harmonies

Analogous

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



8.7826, 8.1042, 125.6511



17.8564, 8.1042, 91.0656



26.8150, 8.1042, 37.1784

Triad

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



17.8564, 8.1042, 91.0656



14.9024, 8.1042, 0.0000



0.5902, 8.1042, 12.1252

Complementary

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



17.8564, 8.1042, 91.0656



63.7475, 68.9695, 9.9548

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.



0.8757, 8.1042, 0.4002



17.8564, 8.1042, 91.0656



6.7153, 8.1042, 0.0000

Square

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



17.8564, 8.1042, 91.0656



24.5117, 8.1042, 0.0000



2.3851, 8.1042, 0.0000



1.1411, 8.1042, 52.2104

Rectangle

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



17.8564, 8.1042, 91.0656



29.7313, 8.1042, 12.9769



2.3851, 8.1042, 0.0000



0.5949, 8.1042, 5.6678

Sweetspot

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



17.8571, 8.1042, 91.0659



54.7628, 53.2198, 101.9939



46.1351, 73.1513, 74.3146



10.7991, 10.3028, 21.6694



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.



17.8571, 8.1042, 91.0659



18.6695, 8.4590, 95.2565



21.2383, 8.9567, 91.0522



16.4786, 17.0340, 21.8047



9.5302, 4.4160, 48.3236



0.9405, 0.5247, 4.4949

Inverse Universe

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



39.7286, 20.4471, 3.4422



41.5527, 21.3851, 3.5767



49.1938, 76.1084, 12.0998



17.3433, 17.2647, 18.3978



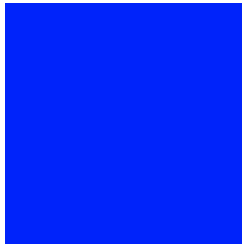
21.1024, 10.8567, 1.9819



1.9836, 1.0172, 0.3373

Previews

White Background



This preview shows how the XYZ color 17.8564, 8.1042, 91.0656 looks on a white background.

Color Contrast Check

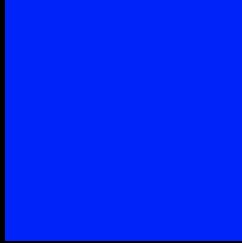
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.8564, 8.1042, 91.0656 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

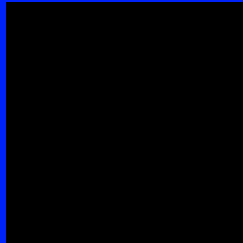
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.8564, 8.1042, 91.0656

Background



This preview shows how black text looks on a background with the XYZ color 17.8564, 8.1042, 91.0656.



This preview shows how white text looks on a background with the XYZ color 17.8564, 8.1042,

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

17.8564, 8.1042, 91.0656

Protanopia

9.1755, 7.9164, 35.2268

Deuteranopia

7.5327, 7.8407, 24.7833

Trichromacy



Original Color

17.8564, 8.1042, 91.0656

Protanomaly

11.4602, 7.3403, 51.8517

Deuteranomaly

9.9262, 6.9949, 42.9465

Monochromacy



Original Color

17.8564, 8.1042, 91.0656

Achromatopsia

2.9193, 3.0713, 3.3447

Achromatomaly

4.9786, 3.4978, 18.8251

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.8564, 8.1042, 91.0656 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(0, 35, 250)` looks like.

```
.text, #text, p{  
    color:rgb(0, 35, 250)  
}
```

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(0, 35, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 35, 250) }
```

Border

The CSS property to change the border of an element to XYZ 17.8564, 8.1042, 91.0656 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(0, 35, 250) }
```

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

```
.border{ border-color:rgb(0, 35, 250) }
```

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

Here you see how a box with a 4 pixel rgb(0, 35, 250) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 35, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 35, 250);  
box-shadow:4px 4px 4px 4px rgb(0, 35, 250)  
}
```


Background

The CSS property to change the background color of an element to XYZ 17.8564, 8.1042, 91.0656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 35, 250) }
```

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

```
.background{ background-color: rgb(0, 35,  
250) }
```

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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