

Converting Colors

XYZ(17.4301, 9.1568, 85.0502)

Have a look what the booklet for
XYZ(17.4301, 9.1568, 85.0502)
contains.

XYZ(17.3932, 9.1432, 84.8525)	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>	30

Color

**XYZ(17.3932, 9.1432,
84.8525)**

Conversions

Conversions Part 1

Format	Color
Hex	0037F2
RGB	0, 55, 242
RGB Percent	0%, 22%, 95%
CMY	0.9997, 0.7843, 0.0510
CMYK	1.00, 0.77, 0.00, 0.05
HSL	226°, 100%, 47%
HSV	226°, 100%, 95%
XYZ	17.3932, 9.1432, 84.8525
YIQ	59.8730, -92.8070, 46.4970

Conversions

Conversions Part 2

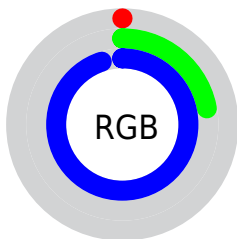
Format	Color
R _{YB}	0, 45, 242
Decimal	14322
CIE Lab	36.26, 58.62, -93.95
CIE LCh	36, 110.734, 301.961
Yxy	9.1432, 0.1561, 0.0821
Android (android.graphics.Color)	4278204402 (0xFF0037F2)
YUV	59.8730, 89.7886, -52.5086
Hunter-Lab	30.2377, 49.7599, -145.2120

Details

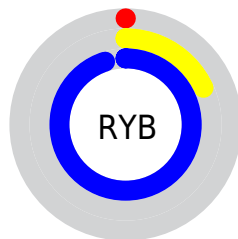
The XYZ color **17.3932, 9.1432, 84.8525** is a dark color, and the websafe version is hex **0033FF**. The color can be described as dark saturated blue. A complement of this color would be **54.4038, 54.4482, 7.6441**, and the grayscale version is **4.1690, 4.3861, 4.7765**.

A 20% lighter version of the original color is **29.9397, 20.6980, 97.0249**, and **8.7386, 3.6344, 45.5883** is the 20% darker color. If you saturate the color by 10%, you get **17.3906, 9.1380, 84.8520**, and if you desaturate by 10%, it is **18.8390, 11.4661, 85.2250**.

Distribution



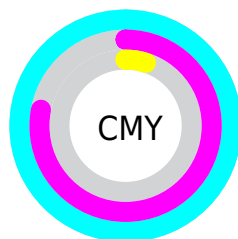
- Red (0%)
- Green (22%)
- Blue (95%)



- Red (0%)
- Yellow (18%)
- Blue (95%)



- Cyan (100%)
- Magenta (77%)
- Yellow (0%)
- Black (5%)



- Cyan (100%)
- Magenta (78%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.3932, 9.1432, 84.8525 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 17.3932, 9.1432, 84.8525 by changing the saturation by 10% instead.

■ 17.3932, 9.1432,
84.8525

■ 17.3932, 9.1432,
84.8525

230.5405,
184.4426, 531.2717

■ 10.6123, 4.8347,
63.1701

■ 38.5388, 24.1710,
142.0394

■ 5.8721, 2.1506,
45.5369

■ 53.6343, 35.6590,
178.3810

■ 2.8074, 0.6929,
31.5345

■ 72.2319, 50.3090,
220.4460

■ 1.0527, 0.0000,
20.7443

■ 94.6971, 68.5054,
268.6530

■ 0.0000, 0.0000,
12.7478

■ 121.3952, 90.6326,
323.4205

■ 0.0000, 0.0000,
7.1265

■ 152.6915,

■ 0.0000, 0.0000,

117.0749, 385.1671

3.4617

188.9515,
148.2168, 454.3113

■ 0.0000, 0.0000,
1.3349

■ 0.0000, 0.0000,
0.0902

■ 17.3932, 9.1432,
84.8525

■ 17.3932, 9.1432,
84.8525

■ 17.3906, 9.1380,
84.8520

■ 18.8390, 11.4661,
85.2250

■ 21.1307, 14.7757,
85.7430

■ 24.4463, 19.2078,
86.4238

■ 28.9012, 24.8619,
87.2803

■ 34.5939, 31.8252,
88.3243

■ 41.6120, 40.1765,
89.5664

■ 50.0349, 49.9881,
91.0163

■ 59.9353, 61.3271,
92.6831

■ 71.3811, 74.2564,
94.5755

Harmonies

Analogous

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



9.1363, 9.1432, 110.1448



17.3932, 9.1432, 84.8525



25.6207, 9.1432, 39.0971

Triad

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



17.3932, 9.1432, 84.8525



16.2144, 9.1432, 0.0000



1.1439, 9.1432, 11.2650

Complementary

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



17.3932, 9.1432, 84.8525



54.4038, 54.4482, 7.6441

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.



1.5766, 9.1432, 0.7314



17.3932, 9.1432, 84.8525



8.2591, 9.1432, 0.0000

Square

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



17.3932, 9.1432, 84.8525



24.7295, 9.1432, 0.2726



3.5183, 9.1432, 0.0000



1.7214, 9.1432, 44.7663

Rectangle

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



17.3932, 9.1432, 84.8525



28.5605, 9.1432, 16.0213



3.5183, 9.1432, 0.0000



1.1748, 9.1432, 5.6540

Sweetspot

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



17.3939, 9.1433, 84.8528



56.2354, 56.1649, 102.4847



40.5682, 67.0310, 57.0036



11.1374, 10.9793, 21.7822



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.



17.3939, 9.1433, 84.8528



19.5578, 10.2356, 95.5526



18.1802, 7.5219, 84.4984



15.1884, 15.8109, 19.9729



9.4267, 5.0776, 45.6111



0.8568, 0.5677, 3.8186

Inverse Universe

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



37.3083, 19.1546, 5.3448



42.0011, 21.5644, 5.9378



49.9947, 72.9088, 11.4397



15.9198, 15.8176, 17.1338



20.0838, 10.3059, 3.0918



1.7074, 0.8720, 0.4503

Previews

White Background



This preview shows how the XYZ color 17.3932, 9.1432, 84.8525 looks on a white background.

Color Contrast Check

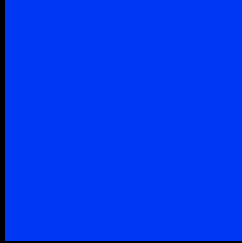
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.3932, 9.1432, 84.8525 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 17.3932, 9.1432, 84.8525

Background



This preview shows how black text looks on a background with the XYZ color 17.3932, 9.1432, 84.8525.

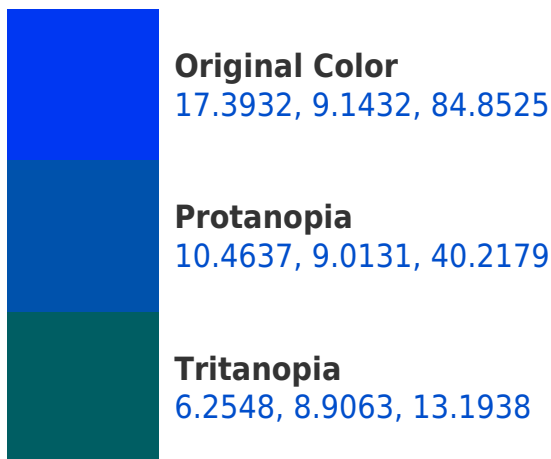


This preview shows how white text looks on a background with the XYZ color 17.3932, 9.1432,

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



Trichromacy



Original Color

17.3932, 9.1432, 84.8525

Protanomaly

12.3954, 8.6659, 53.8427

Tritanomaly

8.4546, 7.9717, 30.3712

Monochromacy



Original Color

17.3932, 9.1432, 84.8525

Achromatopsia

4.2949, 4.5186, 4.9208

Achromatomaly

6.0783, 4.9445, 20.3727

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.3932, 9.1432, 84.8525 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, 55, 242)` looks like.

```
.text, #text, p{  
    color:rgb(0, 55, 242)  
}
```

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, 55, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 55, 242) }
```

Border

The CSS property to change the border of an element to XYZ 17.3932, 9.1432, 84.8525 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, 55, 242) }
```

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

```
.border{ border-color:rgb(0, 55, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 55, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 55, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 55, 242);  
box-shadow:4px 4px 4px 4px rgb(0, 55, 242)  
}
```


Background

The CSS property to change the background color of an element to XYZ 17.3932, 9.1432, 84.8525 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 55, 242) }
```

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

```
.background{ background-color: rgb(0, 55,  
242) }
```

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