

Converting Colors

XYZ(19.6381, 12.8002, 87.5377)

Have a look what the booklet for
XYZ(19.6381, 12.8002, 87.5377)
contains.

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Color

**XYZ(19.6999, 12.8436,
87.8270)**

Conversions

Conversions Part 1

Format	Color
Hex	0A53F5
RGB	10, 83, 245
RGB Percent	4%, 33%, 96%
CMY	0.9605, 0.6745, 0.0392
CMYK	0.96, 0.66, 0.00, 0.04
HSL	221°, 92%, 50%
HSV	221°, 96%, 96%
XYZ	19.6999, 12.8436, 87.8270
YIQ	79.6410, -95.5100, 34.9060

Conversions

Conversions Part 2

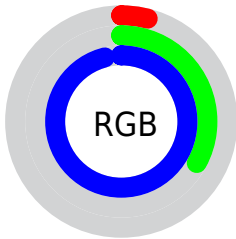
Format	Color
R _Y B	10, 66, 245
Decimal	676853
CIE Lab	42.53, 43.63, -85.27
CIE LCh	43, 95.781, 297.099
Yxy	12.8436, 0.1637, 0.1067
Android (android.graphics.Color)	4278866933 (0xFF0A53F5)
YUV	79.6410, 81.5220, -61.0752
Hunter-Lab	35.8380, 35.4039, -120.2136

Details

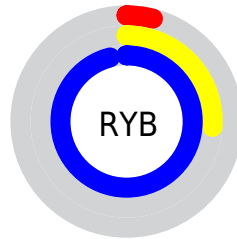
The XYZ color **19.6999, 12.8436, 87.8270** is a dark color, and the websafe version is hex **3366FF**. The color can be described as dark saturated blue. A complement of this color would be **52.4787, 48.9688, 6.9753**, and the grayscale version is **7.4204, 7.8069, 8.5017**.

A 20% lighter version of the original color is **33.2407, 27.2999, 98.1252**, and **9.6952, 5.0389, 47.4753** is the 20% darker color. If you saturate the color by 10%, you get **19.0695, 11.7685, 87.6531**, and if you desaturate by 10%, it is **21.7072, 16.0363, 88.3379**.

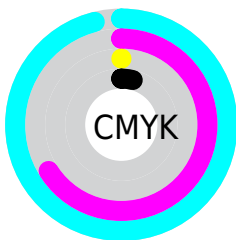
Distribution



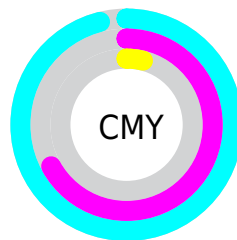
- Red (4%)
- Green (33%)
- Blue (96%)



- Red (4%)
- Yellow (26%)
- Blue (96%)



- Cyan (96%)
- Magenta (66%)
- Yellow (0%)
- Black (4%)



- Cyan (96%)
- Magenta (67%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.6999, 12.8436, 87.8270 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 19.6999, 12.8436, 87.8270 by changing the saturation by 10% instead.

■ 19.6999, 12.8436,
87.8270

■ 19.6999, 12.8436,
87.8270

243.1505,
209.9129, 541.3231

■ 12.2841, 7.3209,
65.6163

■ 42.4213, 31.0225,
146.2253

■ 7.0110, 3.6636,
47.5065

■ 58.4575, 44.4476,
183.2500

■ 3.5154, 1.4872,
33.0790

■ 78.0980, 61.2755,
226.0497

■ 1.4318, 0.2797,
21.9154

■ 101.7080, 81.8908,
275.0430

■ 0.2787, 0.0000,
13.5970

■ 129.6528,
106.6778, 330.6485

■ 0.0000, 0.0000,
7.7054

162.2980,

■ 0.0000, 0.0000,

136.0208, 393.2846

3.8220

200.0088,
170.3044, 463.3700

■ 0.0000, 0.0000,
1.5282

■ 0.0000, 0.0000,
0.2388

■ 19.6999, 12.8436,
87.8270

■ 19.6999, 12.8436,
87.8270

■ 19.0695, 11.7685,
87.6531

■ 21.7072, 16.0363,
88.3379

■ 24.6261, 20.1979,
88.9873

■ 28.5810, 25.4205,
89.7869

■ 33.6737, 31.7829,
90.7466

■ 39.9928, 39.3555,
91.8752

■ 47.6176, 48.2021,
93.1809

■ 56.6204, 58.3818,
94.6712

■ 67.0681, 69.9496,
96.3534

■ 79.0227, 82.9575,
98.2341

Harmonies

Analogous

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



11.5171, 12.8436, 103.3697



19.6999, 12.8436, 87.8270



27.9988, 12.8436, 48.6850

Triad

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



19.6999, 12.8436, 87.8270



21.4251, 12.8436, 0.0000



2.9208, 12.8436, 12.0641

Complementary

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



19.6999, 12.8436, 87.8270



52.4787, 48.9688, 6.9753

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.



3.8592, 12.8436, 1.5896



19.6999, 12.8436, 87.8270



12.9249, 12.8436, 0.0000

Square

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



19.6999, 12.8436, 87.8270



29.2408, 12.8436, 2.5576



6.9059, 12.8436, 0.0000



3.5417, 12.8436, 41.0977

Rectangle

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



19.6999, 12.8436, 87.8270



31.3959, 12.8436, 24.8931



6.9059, 12.8436, 0.0000



3.0511, 12.8436, 6.8445

Sweetspot

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



19.7007, 12.8438, 87.8274



58.7118, 60.2379, 103.1404



40.0920, 68.2955, 49.4013



11.6692, 11.8777, 21.9275



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.



19.7007, 12.8438, 87.8274



20.8572, 12.8344, 95.9857



18.0666, 7.5721, 86.8960



16.0008, 16.7658, 20.9354



10.3810, 6.5558, 47.2563



1.0000, 0.7515, 4.1826

Inverse Universe

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



39.3270, 20.2558, 10.0202



42.6569, 21.8268, 9.3915



57.0461, 77.8741, 12.3138



16.7110, 16.5672, 18.2245



21.0444, 10.7612, 4.9421



1.8938, 0.9635, 0.6673

Previews

White Background



This preview shows how the XYZ color 19.6999, 12.8436, 87.8270 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 × Fail

Black Background



This preview shows how the XYZ color 19.6999, 12.8436, 87.8270 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

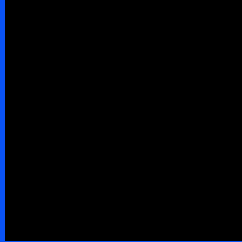
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.6999, 12.8436, 87.8270

Background



This preview shows how black text looks on a background with the XYZ color 19.6999, 12.8436, 87.8270.

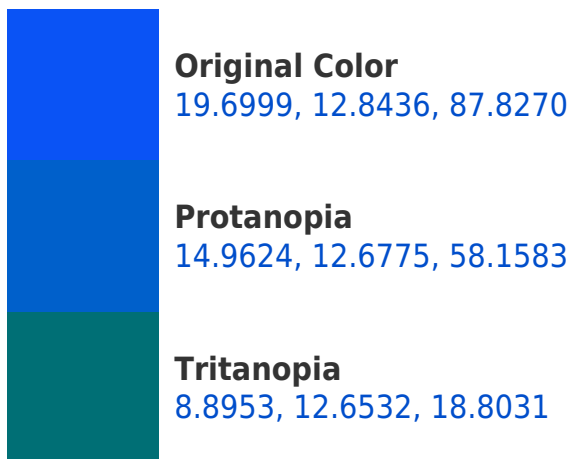


This preview shows how white text looks on a background with the XYZ color 19.6999, 12.8436,

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

19.6999, 12.8436, 87.8270

Protanomaly

16.4460, 12.5699, 67.8891

Tritanomaly

11.4046, 12.0135, 36.8397

Monochromacy



Original Color

19.6999, 12.8436, 87.8270

Achromatopsia

7.6249, 8.0220, 8.7359

Achromatomaly

9.2516, 8.5905, 25.9815

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6999, 12.8436, 87.8270 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(10, 83, 245)` looks like.

```
.text, #text, p{  
    color:rgb(10, 83, 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(10, 83, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 83, 245) }
```

Border

The CSS property to change the border of an element to XYZ 19.6999, 12.8436, 87.8270 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(10, 83, 245) }
```

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

```
.border{ border-color:rgb(10, 83, 245) }
```

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

Here you see how a box with a 4 pixel rgb(10, 83, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 83, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 83, 245);  
box-shadow:4px 4px 4px 4px rgb(10, 83,  
245) }
```


Background

The CSS property to change the background color of an element to XYZ 19.6999, 12.8436, 87.8270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 83, 245) }
```

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

```
.background{ background-color: rgb(10, 83,  
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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