

Converting Colors

XYZ(20.3786, 13.6438, 89.0963)

Have a look what the booklet for
XYZ(20.3786, 13.6438, 89.0963)
contains.

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Color

**XYZ(20.3113, 13.6087,
88.7450)**

Conversions

Conversions Part 1

Format	Color
Hex	1357F6
RGB	19, 87, 246
RGB Percent	7%, 34%, 96%
CMY	0.9253, 0.6588, 0.0353
CMYK	0.92, 0.65, 0.00, 0.04
HSL	222°, 93%, 52%
HSV	222°, 92%, 96%
XYZ	20.3113, 13.6087, 88.7450
YIQ	84.7940, -91.5670, 35.0330

Conversions

Conversions Part 2

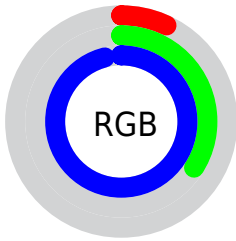
Format	Color
R_{YB}	19, 71, 246
Decimal	1267702
CIE _{Lab}	43.67, 41.75, -83.95
CIE _{LCh}	44, 93.755, 296.441
Yxy	13.6087, 0.1656, 0.1109
Android (android.graphics.Color)	4279457782 (0xFF1357F6)
YUV	84.7940, 79.4746, -57.7013
Hunter-Lab	36.8900, 33.7231, -116.8090

Details

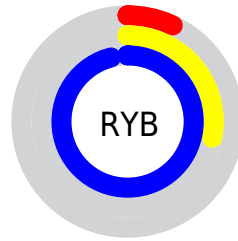
The XYZ color **20.3113, 13.6087, 88.7450** is a dark color, and the websafe version is hex **3366FF**. The color can be described as dark washed blue. A complement of this color would be **54.0534, 51.4987, 7.7093**, and the grayscale version is **8.4478, 8.8878, 9.6788**.

A 20% lighter version of the original color is **34.0566, 28.5413, 98.3218**, and **9.9410, 5.3586, 48.0873** is the 20% darker color. If you saturate the color by 10%, you get **19.0606, 11.5058, 88.4054**, and if you desaturate by 10%, it is **22.6319, 17.1291, 89.3026**.

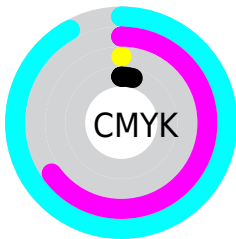
Distribution



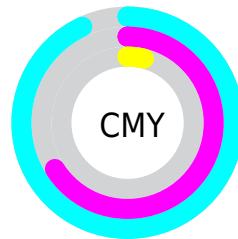
- Red (7%)
- Green (34%)
- Blue (96%)



- Red (7%)
- Yellow (28%)
- Blue (96%)



- Cyan (92%)
- Magenta (65%)
- Yellow (0%)
- Black (4%)



- Cyan (93%)
- Magenta (66%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3113, 13.6087, 88.7450 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 20.3113, 13.6087, 88.7450 by changing the saturation by 10% instead.

■ 20.3113, 13.6087,
88.7450

■ 20.3113, 13.6087,
88.7450

246.3970,
214.7828, 544.4043

■ 12.7311, 7.8490,
66.3724

■ 43.4385, 32.3931,
147.5142

■ 7.3194, 3.9985,
48.1164

■ 59.7161, 46.1866,
184.7478

■ 3.7107, 1.6727,
33.5584

■ 79.6237, 63.4268,
227.7722

■ 1.5398, 0.4059,
22.2800

■ 103.5265, 84.4982,
277.0058

■ 0.3527, 0.0000,
13.8625

■ 131.7898,
109.7851, 332.8673

■ 0.0000, 0.0000,
7.8874

164.7791,

■ 0.0000, 0.0000,

139.6719, 395.7752

3.9363

202.8597,
174.5430, 466.1480

■ 0.0000, 0.0000,
1.5904

■ 0.0000, 0.0000,
0.2840

■ 20.3113, 13.6087,
88.7450

■ 20.3113, 13.6087,
88.7450

■ 19.0606, 11.5058,
88.4054

■ 22.6319, 17.1291,
89.3026

■ 25.9298, 21.6802,
90.0072

■ 30.3225, 27.3518,
90.8705

■ 35.9082, 34.2220,
91.9021

■ 42.7736, 42.3610,
93.1113

■ 50.9969, 51.8330,
94.5061

■ 60.6497, 62.6976,
96.0945

■ 71.7982, 75.0108,
97.8836

■ 84.5047, 88.8251,
99.8803

Harmonies

Analogous

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



12.0763, 13.6087, 103.1831



20.3113, 13.6087, 88.7450



28.6663, 13.6087, 50.3897

Triad

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



20.3113, 13.6087, 88.7450



22.4360, 13.6087, 0.0000



3.3300, 13.6087, 12.4425

Complementary

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



20.3113, 13.6087, 88.7450



54.0534, 51.4987, 7.7093

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.



4.3650, 13.6087, 1.8103



20.3113, 13.6087, 88.7450



13.8327, 13.6087, 0.0000

Square

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



20.3113, 13.6087, 88.7450



30.1849, 13.6087, 3.1085



7.6029, 13.6087, 0.0000



3.9531, 13.6087, 41.1679

Rectangle

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



20.3113, 13.6087, 88.7450



32.1353, 13.6087, 26.4893



7.6029, 13.6087, 0.0000



3.4808, 13.6087, 7.2045

Sweetspot

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



20.3121, 13.6089, 88.7454



59.5477, 61.0135, 103.2460



41.2525, 69.2616, 53.2684



11.8197, 12.0105, 21.9452



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.



20.3121, 13.6089, 88.7454



20.6588, 12.4376, 95.9196



19.0110, 8.2257, 87.7749



15.9856, 16.7355, 20.9303



10.2804, 6.3545, 47.2227



0.9896, 0.7307, 4.1791

Inverse Universe

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



39.9601, 20.7482, 10.9153



42.5568, 21.7867, 8.8641



57.0563, 78.3224, 12.7286



16.7033, 16.5642, 18.1842



20.9936, 10.7409, 4.6745



1.8886, 0.9614, 0.6397

Previews

White Background



This preview shows how the XYZ color 20.3113, 13.6087, 88.7450 looks on a white background.

Color Contrast Check

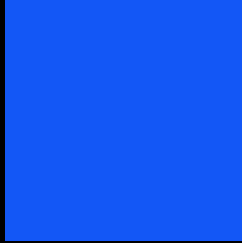
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.3113, 13.6087, 88.7450 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

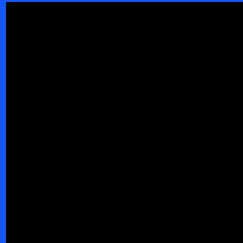
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.3113, 13.6087, 88.7450

Background



This preview shows how black text looks on a background with the XYZ color 20.3113, 13.6087, 88.7450.



This preview shows how white text looks on a background with the XYZ color 20.3113, 13.6087,

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

20.3113, 13.6087, 88.7450

Protanopia

15.8470, 13.4777, 61.4407

Deuteranopia

13.0875, 13.3175, 44.0002



Tritanopia

9.4075, 13.3907, 19.8581

Trichromacy



Original Color

20.3113, 13.6087, 88.7450

Protanomaly

17.3646, 13.5035, 70.7985

Deuteranomaly

15.2348, 13.0923, 58.2240

Tritanomaly

11.9209, 12.6990, 37.8992

Monochromacy



Original Color

20.3113, 13.6087, 88.7450

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

10.2863, 9.6613, 27.7082

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3113, 13.6087, 88.7450 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(19, 87, 246)` looks like.

```
.text, #text, p{  
    color:rgb(19, 87, 246)  
}
```

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(19, 87, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 87, 246) }
```

Border

The CSS property to change the border of an element to XYZ 20.3113, 13.6087, 88.7450 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(19, 87, 246) }
```


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

```
.border{ border-color:rgb(19, 87, 246) }
```

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

Here you see how a box with a 4 pixel rgb(19, 87, 246) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 87, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 87, 246);  
box-shadow:4px 4px 4px 4px rgb(19, 87,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3113, 13.6087, 88.7450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 87, 246) }
```

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

```
.background{ background-color: rgb(19, 87,  
246) }
```

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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