

Converting Colors

XYZ(20.8213, 15.0568, 87.3968)

Have a look what the booklet for
XYZ(20.8213, 15.0568, 87.3968)
contains.

XYZ(20.8213, 15.0568, 87.3968)	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>	31

Color

**XYZ(20.8213, 15.0568,
87.3968)**

Conversions

Conversions Part 1

Format	Color
Hex	1560F4
RGB	21, 96, 244
RGB Percent	8%, 38%, 96%
CMY	0.9175, 0.6235, 0.0431
CMYK	0.91, 0.61, 0.00, 0.04
HSL	220°, 91%, 52%
HSV	220°, 91%, 96%
XYZ	20.8213, 15.0568, 87.3968
YIQ	90.4470, -92.2080, 30.1280

Conversions

Conversions Part 2

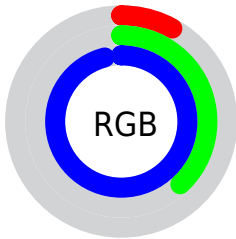
Format	Color
R_{YB}	21, 77, 244
Decimal	1401076
CIE _{Lab}	45.71, 35.41, -79.47
CIE _{LCh}	46, 87.003, 294.018
Yxy	15.0568, 0.1689, 0.1221
Android (android.graphics.Color)	4279591156 (0xFF1560F4)
YUV	90.4470, 75.7016, -60.9050
Hunter-Lab	38.8031, 27.8757, -106.3776

Details

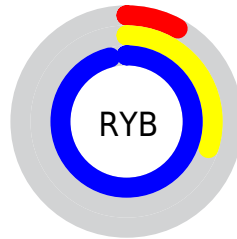
The XYZ color **20.8213, 15.0568, 87.3968** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed azure. A complement of this color would be **51.6406, 47.6803, 7.1931**, and the grayscale version is **9.6716, 10.1753, 11.0809**.

A 20% lighter version of the original color is **35.3991, 31.4226, 98.8072**, and **10.0468, 5.9128, 47.0661** is the 20% darker color. If you saturate the color by 10%, you get **19.3488, 12.5708, 86.9950**, and if you desaturate by 10%, it is **23.2468, 18.7313, 87.9786**.

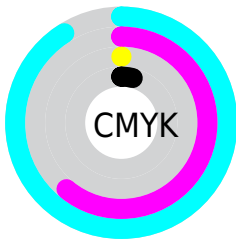
Distribution



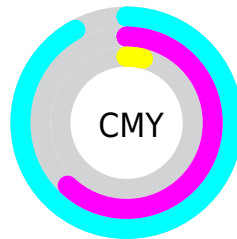
- Red (8%)
- Green (38%)
- Blue (96%)



- Red (8%)
- Yellow (30%)
- Blue (96%)



- Cyan (91%)
- Magenta (61%)
- Yellow (0%)
- Black (4%)



- Cyan (92%)
- Magenta (62%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8213, 15.0568, 87.3968 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 20.8213, 15.0568, 87.3968 by changing the saturation by 10% instead.

■ 20.8213, 15.0568,
87.3968

■ 20.8213, 15.0568,
87.3968

249.0770,
223.7098, 539.8759

■ 13.1052, 8.8593,
65.2621

■ 44.2835, 34.9528,
145.6208

■ 7.5785, 4.6495,
47.2210

■ 60.7602, 49.4200,
182.5473

■ 3.8760, 2.0431,
32.8548

■ 80.8878, 67.4126,
225.2414

■ 1.6322, 0.6323,
21.7450

■ 105.0317, 89.3150,
274.1217

■ 0.4133, 0.0000,
13.4731

■ 133.5572,
115.5115, 329.6068

■ 0.0000, 0.0000,
7.6206

166.8297,

■ 0.0000, 0.0000,

146.3865, 392.1151

3.7689

205.2145,
182.3245, 462.0653

■ 0.0000, 0.0000,
1.4994

■ 0.0000, 0.0000,
0.2175

■ 20.8213, 15.0568,
87.3968

■ 20.8213, 15.0568,
87.3968

■ 19.3488, 12.5708,
86.9950

■ 23.2468, 18.7313,
87.9786

■ 26.6143, 23.3690,
88.6963

■ 31.0332, 29.0500,
89.5600

■ 36.5959, 35.8439,
90.5781

■ 43.3835, 43.8133,
91.7586

■ 51.4696, 53.0157,
93.1087

■ 60.9214, 63.5046,
94.6351

■ 71.8013, 75.3299,
96.3442

■ 84.1679, 88.5388,
98.2420

Harmonies

Analogous

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



12.8969, 15.0568, 97.7373



20.8213, 15.0568, 87.3968



28.9471, 15.0568, 53.1925

Triad

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



20.8213, 15.0568, 87.3968



24.2485, 15.0568, 0.5880



4.3955, 15.0568, 12.5500

Complementary

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



20.8213, 15.0568, 87.3968



51.6406, 47.6803, 7.1931

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.



5.6900, 15.0568, 2.2995



20.8213, 15.0568, 87.3968



15.8250, 15.0568, 0.0000

Square

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



20.8213, 15.0568, 87.3968



31.3514, 15.0568, 4.8688



9.3226, 15.0568, 0.0000



4.9348, 15.0568, 38.8157

Rectangle

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



20.8213, 15.0568, 87.3968



32.5004, 15.0568, 30.1476



9.3226, 15.0568, 0.0000



4.6112, 15.0568, 7.6271

Sweetspot

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



20.8222, 15.0571, 87.3973



61.2094, 63.4244, 103.6238



39.5408, 67.6135, 47.0266



12.3632, 12.7516, 22.0597



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.



20.8222, 15.0571, 87.3973



21.3561, 13.8322, 96.1520



18.1458, 7.8674, 86.1506



16.0364, 16.8371, 20.9472



10.6333, 7.0603, 47.3404



1.0256, 0.8025, 4.1911

Inverse Universe

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



39.6886, 20.6156, 12.9534



42.9088, 21.9275, 10.7176



59.2238, 78.5395, 12.7498



16.7289, 16.5744, 18.3192



21.1717, 10.8121, 5.6126



1.9067, 0.9687, 0.7352

Previews

White Background



This preview shows how the XYZ color 20.8213, 15.0568, 87.3968 looks on a white background.

Color Contrast Check

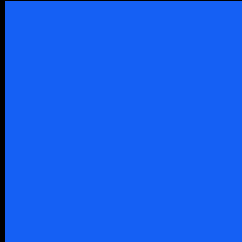
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.8213, 15.0568, 87.3968 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

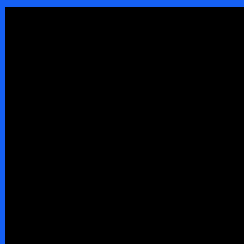
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

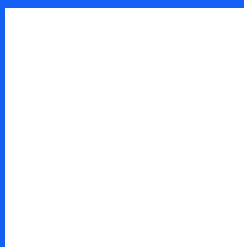
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.8213, 15.0568, 87.3968

Background



This preview shows how black text looks on a background with the XYZ color 20.8213, 15.0568, 87.3968.



This preview shows how white text looks on a background with the XYZ color 20.8213, 15.0568,

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

20.8213, 15.0568, 87.3968

Protanopia

17.6364, 14.8150, 68.9479

Deuteranopia

14.6530, 14.7827, 49.6580



Tritanopia

10.3627, 14.7000, 22.0299

Trichromacy



Original Color

20.8213, 15.0568, 87.3968

Protanomaly

18.6609, 14.7674, 75.2656

Deuteranomaly

16.5369, 14.7088, 61.6420

Tritanomaly

12.9460, 14.2851, 39.6111

Monochromacy



Original Color

20.8213, 15.0568, 87.3968

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

11.1954, 10.8534, 28.6990

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8213, 15.0568, 87.3968 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(21, 96, 244)` looks like.

```
.text, #text, p{  
    color:rgb(21, 96, 244)  
}
```

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(21, 96, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 96, 244) }
```

Border

The CSS property to change the border of an element to XYZ 20.8213, 15.0568, 87.3968 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(21, 96, 244) }
```


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

```
.border{ border-color:rgb(21, 96, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 96, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 96, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 96, 244);  
box-shadow:4px 4px 4px 4px rgb(21, 96,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8213, 15.0568, 87.3968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 96, 244) }
```

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

```
.background{ background-color: rgb(21, 96,  
244) }
```

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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