

Converting Colors

XYZ(20.4383, 9.3753, 82.4545)

Have a look what the booklet for
XYZ(20.4383, 9.3753, 82.4545)
contains.

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Color

**XYZ(20.4330, 9.3860,
82.3961)**

Conversions

Conversions Part 1

Format	Color
Hex	5C1DEF
RGB	92, 29, 239
RGB Percent	36%, 11%, 94%
CMY	0.6392, 0.8863, 0.0627
CMYK	0.62, 0.88, 0.00, 0.06
HSL	258°, 87%, 53%
HSV	258°, 88%, 94%
XYZ	20.4330, 9.3860, 82.3961
YIQ	71.7770, -29.8620, 78.6660

Conversions

Conversions Part 2

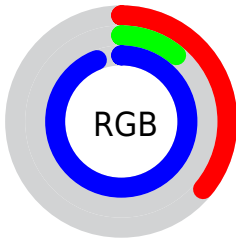
Format	Color
R_{YB}	92, 29, 239
Decimal	6036975
CIE _{Lab}	36.72, 72.30, -91.36
CIE _{LCh}	37, 116.508, 308.355
Yxy	9.3860, 0.1821, 0.0836
Android (android.graphics.Color)	4284227055 (0xFF5C1DEF)
YUV	71.7770, 82.4409, 17.7356
Hunter-Lab	30.6366, 65.4362, -138.0130

Details

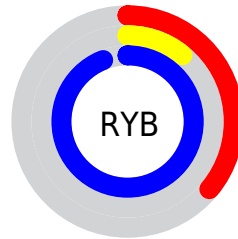
The XYZ color **20.4330, 9.3860, 82.3961** is a dark color, and the websafe version is hex **6633FF**. The color can be described as dark washed blue. A complement of this color would be **48.9894, 71.0503, 12.2940**, and the grayscale version is **5.9888, 6.3007, 6.8615**.

A 20% lighter version of the original color is **35.8378, 21.5704, 96.8824**, and **8.3405, 3.3362, 43.9204** is the 20% darker color. If you saturate the color by 10%, you get **18.5589, 7.8497, 82.1987**, and if you desaturate by 10%, it is **23.1226, 12.0030, 82.7598**.

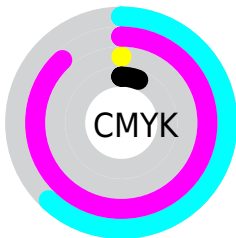
Distribution



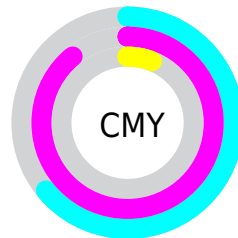
- Red (36%)
- Green (11%)
- Blue (94%)



- Red (36%)
- Yellow (11%)
- Blue (94%)



- Cyan (62%)
- Magenta (88%)
- Yellow (0%)
- Black (6%)



- Cyan (64%)
- Magenta (89%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4330, 9.3860, 82.3961 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 20.4330, 9.3860, 82.3961 by changing the saturation by 10% instead.

■ 20.4330, 9.3860,
82.3961

■ 20.4330, 9.3860,
82.3961

247.0388,
186.2319, 522.8899

■ 12.8203, 4.9938,
61.1544

■ 43.6404, 24.6340,
138.5710

■ 7.3810, 2.2436,
43.9184

■ 59.9657, 36.2587,
174.3412

■ 3.7500, 0.7436,
30.2696

■ 79.9260, 51.0629,
215.7914

■ 1.5617, 0.0000,
19.7896

■ 103.8866, 69.4311,
263.3400

■ 0.3672, 0.0000,
12.0596

■ 132.2128, 91.7478,
317.4056

■ 0.0000, 0.0000,
6.6613

■ 165.2700,

■ 0.0000, 0.0000,

118.3972, 378.4068

3.1760

203.4235,
149.7637, 446.7620

■ 0.0000, 0.0000,
1.1852

■ 0.0000, 0.0000,
0.0000

■ 20.4330, 9.3860,
82.3961

■ 20.4330, 9.3860,
82.3961

■ 18.5589, 7.8497,
82.1987

■ 23.1226, 12.0030,
82.7598

■ 18.2313, 7.5988,
82.1675

■ 26.7450, 15.9059,
83.3222

■ 31.3926, 21.2478,
84.1083

■ 37.1449, 28.1594,
85.1392

■ 44.0731, 36.7563,
86.4334

■ 52.2420, 47.1430,
88.0077

■ 61.7113, 59.4154,
89.8774

■ 72.5368, 73.6623,
92.0568

■ 84.7710, 89.9669,
94.5591

Harmonies

Analogous

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



11.0674, 9.3860, 119.2620



20.4330, 9.3860, 82.3961



28.7204, 9.3860, 32.6497

Triad

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



20.4330, 9.3860, 82.3961



15.0003, 9.3860, 0.0000



1.0671, 9.3860, 17.0601

Complementary

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



20.4330, 9.3860, 82.3961



48.9894, 71.0503, 12.2940

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.



1.2793, 9.3860, 1.4974



20.4330, 9.3860, 82.3961



7.0720, 9.3860, 0.0000

Square

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



20.4330, 9.3860, 82.3961



24.5886, 9.3860, 0.0000



2.8278, 9.3860, 0.0000



1.9070, 9.3860, 59.1480

Rectangle

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



20.4330, 9.3860, 82.3961



30.8692, 9.3860, 11.3899



2.8278, 9.3860, 0.0000



1.0334, 9.3860, 9.1327

Sweetspot

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



20.4337, 9.3861, 82.3964



62.3629, 56.9824, 102.3196



31.6115, 37.5431, 87.2421



12.5884, 11.2206, 21.7523



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.



20.4337, 9.3861, 82.3964



21.0717, 8.7777, 95.1914



39.0449, 18.9806, 83.2674



15.3431, 15.4586, 19.8967



10.1904, 4.2587, 45.4128



0.9445, 0.4041, 3.7824

Inverse Universe

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



43.8709, 22.3632, 43.0708



49.3246, 24.4938, 44.5028



33.6864, 63.1613, 11.5778



16.2404, 15.9459, 18.8224



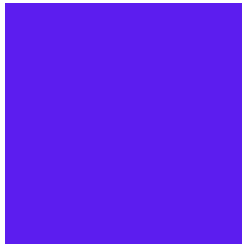
23.6013, 11.7130, 21.6149



2.0071, 0.9919, 2.0284

Previews

White Background



This preview shows how the XYZ color 20.4330, 9.3860, 82.3961 looks on a white background.

Color Contrast Check

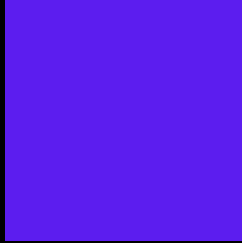
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.4330, 9.3860, 82.3961 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

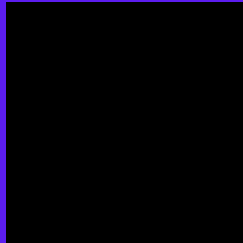
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.4330, 9.3860, 82.3961

Background



This preview shows how black text looks on a background with the XYZ color 20.4330, 9.3860, 82.3961.



This preview shows how white text looks on a background with the XYZ color 20.4330, 9.3860,

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

20.4330, 9.3860, 82.3961

Protanopia

10.8311, 9.2817, 41.7781

Deuteranopia

8.9972, 9.3147, 29.7575



Tritanopia

6.6311, 9.3450, 14.2862

Trichromacy



Original Color

20.4330, 9.3860, 82.3961



Protanomaly

12.5977, 7.9556, 54.2977



Deuteranomaly

11.0779, 7.7150, 45.1613



Tritanomaly

8.6121, 7.2251, 30.6464

Monochromacy



Original Color

20.4330, 9.3860, 82.3961



Achromatopsia

6.1596, 6.4803, 7.0571



Achromatomaly

8.8723, 6.1841, 22.9163

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4330, 9.3860, 82.3961 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(92, 29, 239)` looks like.

```
.text, #text, p{  
    color:rgb(92, 29, 239)  
}
```

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(92, 29, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 29, 239) }
```

Border

The CSS property to change the border of an element to XYZ 20.4330, 9.3860, 82.3961 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(92, 29, 239) }
```


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

```
.border{ border-color:rgb(92, 29, 239) }
```

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

Here you see how a box with a 4 pixel rgb(92, 29, 239) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 29, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 29, 239);  
box-shadow:4px 4px 4px 4px rgb(92, 29,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4330, 9.3860, 82.3961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 29, 239) }
```

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

```
.background{ background-color: rgb(92, 29,  
239) }
```

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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