

Converting Colors

XYZ(20.5050, 11.6113, 83.8584)

Have a look what the booklet for
XYZ(20.5050, 11.6113, 83.8584)
contains.

XYZ(20.5004, 11.6435, 83.6050)	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(20.5004, 11.6435,
83.6050)**

Conversions

Conversions Part 1

Format	Color
Hex	4A42F0
RGB	74, 66, 240
RGB Percent	29%, 26%, 94%
CMY	0.7098, 0.7412, 0.0588
CMYK	0.69, 0.73, 0.00, 0.06
HSL	243°, 85%, 60%
HSV	243°, 73%, 94%
XYZ	20.5004, 11.6435, 83.6050
YIQ	88.2280, -51.0860, 55.8100

Conversions

Conversions Part 2

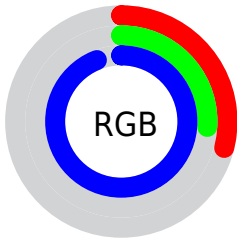
Format	Color
R _{YB}	74, 66, 240
Decimal	4866800
CIE Lab	40.64, 55.70, -85.48
CIE LCh	41, 102.026, 303.089
Yxy	11.6435, 0.1771, 0.1006
Android (android.graphics.Color)	4283056880 (0xFF4A42F0)
YUV	88.2280, 74.8236, -12.4780
Hunter-Lab	34.1226, 47.5260, -121.3829

Details

The XYZ color **20.5004, 11.6435, 83.6050** is a dark color, and the websafe version is hex **3333CC**. The color can be described as dark washed blue. A complement of this color would be **65.4183, 79.8675, 17.1220**, and the grayscale version is **9.1760, 9.6539, 10.5131**.

A 20% lighter version of the original color is **35.6231, 25.5504, 97.6619**, and **8.6598, 3.8100, 44.5350** is the 20% darker color. If you saturate the color by 10%, you get **17.9272, 8.6539, 83.1639**, and if you desaturate by 10%, it is **24.3039, 16.1394, 84.2727**.

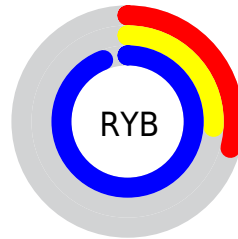
Distribution



Red (29%)

Green (26%)

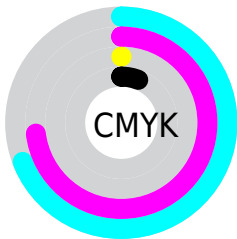
Blue (94%)



Red (29%)

Yellow (26%)

Blue (94%)

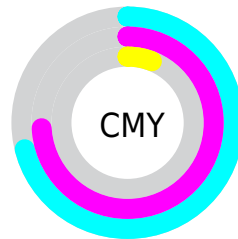


Cyan (69%)

Magenta (73%)

Yellow (0%)

Black (6%)



Cyan (71%)

Magenta (74%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5004, 11.6435, 83.6050 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 20.5004, 11.6435, 83.6050 by changing the saturation by 10% instead.

■ 20.5004, 11.6435,
83.6050

■ 20.5004, 11.6435,
83.6050

247.3936,
202.0307, 527.0243

■ 12.8697, 6.5014,
62.1459

■ 43.7521, 28.8441,
140.2793

■ 7.4152, 3.1523,
44.7140

■ 60.1039, 41.6715,
176.3315

■ 3.7717, 1.2118,
30.8909

■ 80.0933, 57.8293,
218.0852

■ 1.5738, 0.0713,
20.2580

■ 104.0858, 77.7022,
265.9589

■ 0.3753, 0.0000,
12.3968

■ 132.4467,
101.6743, 320.3711

■ 0.0000, 0.0000,
6.8887

165.5414,

■ 0.0000, 0.0000,

130.1302, 381.7404

3.3152

203.7353,
163.4542, 450.4853

■ 0.0000, 0.0000,
1.2578

■ 0.0000, 0.0000,
0.0268

■ 20.5004, 11.6435,
83.6050

■ 20.5004, 11.6435,
83.6050

■ 17.9272, 8.6539,
83.1639

■ 24.3039, 16.1394,
84.2727

■ 16.4295, 6.9738,
82.9186

■ 29.4633, 22.3042,
85.1907

■ 15.8669, 6.3628,
82.8303

■ 36.0914, 30.2801,
86.3808

■ 44.2882, 40.1939,
87.8624

■ 54.1454, 52.1613,
89.6528

■ 65.7472, 66.2885,
91.7681

■ 79.1723, 82.6747,
94.2234

■ 92.7282, 99.0713,
96.6738

Harmonies

Analogous

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



11.8314, 11.6435, 108.1333



20.5004, 11.6435, 83.6050



28.6206, 11.6435, 40.5044

Triad

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



20.5004, 11.6435, 83.6050



18.6086, 11.6435, 0.0000



2.1899, 11.6435, 14.9418

Complementary

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



20.5004, 11.6435, 83.6050



65.4183, 79.8675, 17.1220

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.



2.7328, 11.6435, 1.8573



20.5004, 11.6435, 83.6050



10.3359, 11.6435, 0.0000

Square

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



20.5004, 11.6435, 83.6050



27.2349, 11.6435, 1.0056



5.0891, 11.6435, 0.0000



3.0377, 11.6435, 49.0938

Rectangle

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



20.5004, 11.6435, 83.6050



31.3433, 11.6435, 18.0848



5.0891, 11.6435, 0.0000



2.2174, 11.6435, 8.4727

Sweetspot

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



20.5012, 11.6437, 83.6054



62.6680, 60.5054, 102.9835



47.4547, 66.4093, 92.7556



12.7082, 12.0933, 21.9144



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.



20.5012, 11.6437, 83.6054



19.6097, 8.8376, 95.2800



31.9346, 17.5379, 84.1404



14.9646, 15.2634, 19.8790



8.7157, 3.4985, 45.3438



0.7486, 0.3032, 3.7733

Inverse Universe

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



52.4472, 28.2470, 79.0227



58.2365, 28.9354, 88.7291



44.2119, 68.9352, 16.1295



16.4210, 16.0181, 19.7731



27.4236, 13.2419, 41.7429



2.2910, 1.1055, 3.5234

Previews

White Background



This preview shows how the XYZ color 20.5004, 11.6435, 83.6050 looks on a white background.

Color Contrast Check

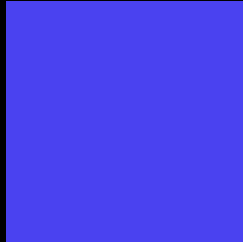
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.5004, 11.6435, 83.6050 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

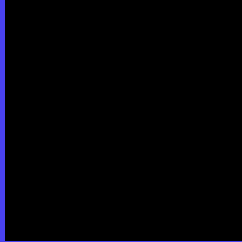
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.5004, 11.6435, 83.6050

Background



This preview shows how black text looks on a background with the XYZ color 20.5004, 11.6435, 83.6050.



This preview shows how white text looks on a background with the XYZ color 20.5004, 11.6435,

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

20.5004, 11.6435, 83.6050

Protanopia

13.4528, 11.5045, 51.9636

Deuteranopia

11.1592, 11.4520, 37.2196



Tritanopia

8.0322, 11.2954, 17.3797

Trichromacy



Original Color

20.5004, 11.6435, 83.6050

Protanomaly

15.1781, 11.0727, 62.3100

Deuteranomaly

13.2942, 10.6944, 51.2327

Tritanomaly

10.4511, 10.2184, 34.2224

Monochromacy



Original Color

20.5004, 11.6435, 83.6050

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

11.3939, 9.5595, 27.2312

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5004, 11.6435, 83.6050 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(74, 66, 240)` looks like.

```
.text, #text, p{  
    color:rgb(74, 66, 240)  
}
```

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(74, 66, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 66, 240) }
```

Border

The CSS property to change the border of an element to XYZ 20.5004, 11.6435, 83.6050 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(74, 66, 240) }
```


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

```
.border{ border-color:rgb(74, 66, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 66, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 66, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 66, 240);  
box-shadow:4px 4px 4px 4px rgb(74, 66,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5004, 11.6435, 83.6050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 66, 240) }
```

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

```
.background{ background-color: rgb(74, 66,  
240) }
```

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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