

Converting Colors

XYZ(20.4664, 13.3148, 64.4426)

Have a look what the booklet for
XYZ(20.4664, 13.3148, 64.4426)
contains.

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Color

**XYZ(20.5151, 13.3391,
64.4442)**

Conversions

Conversions Part 1

Format	Color
Hex	684FD5
RGB	104, 79, 213
RGB Percent	41%, 31%, 84%
CMY	0.5921, 0.6902, 0.1647
CMYK	0.51, 0.63, 0.00, 0.16
HSL	251°, 61%, 57%
HSV	251°, 63%, 84%
XYZ	20.5151, 13.3391, 64.4442
YIQ	101.7510, -28.1140, 46.9740

Conversions

Conversions Part 2

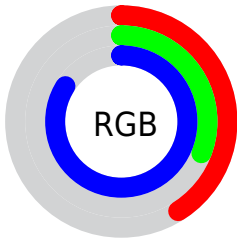
Format	Color
R_{YB}	104, 79, 213
Decimal	6836181
CIE _{Lab}	43.27, 44.45, -65.73
CIE _{LCh}	43, 79.352, 304.070
Yxy	13.3391, 0.2087, 0.1357
Android (android.graphics.Color)	4285026261 (0xFF684FD5)
YUV	101.7510, 54.8458, 1.9724
Hunter-Lab	36.5227, 36.3500, -79.0510

Details

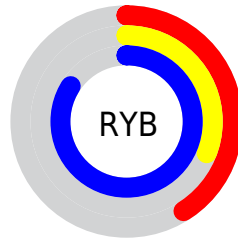
The XYZ color **20.5151, 13.3391, 64.4442** is a dark color, and the websafe version is hex **6666FF**. The color can be described as dark muted purple. A complement of this color would be **45.9438, 58.8441, 16.3338**, and the grayscale version is **12.4320, 13.0794, 14.2435**.

A 20% lighter version of the original color is **41.0045, 30.7070, 98.3736**, and **7.4016, 3.8794, 32.2570** is the 20% darker color. If you saturate the color by 10%, you get **17.4089, 9.8109, 63.9272**, and if you desaturate by 10%, it is **24.5279, 18.0651, 65.1452**.

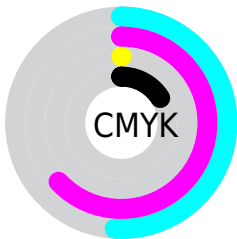
Distribution



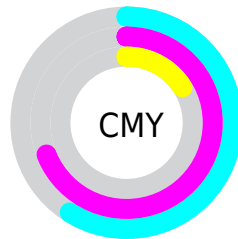
- Red (41%)
- Green (31%)
- Blue (84%)



- Red (41%)
- Yellow (31%)
- Blue (84%)



- Cyan (51%)
- Magenta (63%)
- Yellow (0%)
- Black (16%)



- Cyan (59%)
- Magenta (69%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5151, 13.3391, 64.4442 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 20.5151, 13.3391, 64.4442 by changing the saturation by 10% instead.

■ 20.5151, 13.3391,
64.4442

■ 20.5151, 13.3391,
64.4442

247.4709,
213.0796, 459.0434

■ 12.8805, 7.6625,
46.5621

■ 43.7765, 31.9117,
112.8560

■ 7.4227, 3.8797,
32.3377

■ 60.1340, 45.5764,
144.2228

■ 3.7765, 1.6065,
21.3526

■ 80.1298, 62.6726,
180.9215

■ 1.5765, 0.3620,
13.1883

■ 104.1292, 83.5847,
223.3707

■ 0.3770, 0.0000,
7.4261

■ 132.4977,
108.6970, 271.9890

■ 0.0000, 0.0000,
3.6475

165.6006,

■ 0.0000, 0.0000,

138.3940, 327.1948

1.4340

203.8032,
173.0601, 389.4068

■ 0.0000, 0.0000,
0.1680

■ 0.0000, 0.0000,
0.0000

■ 20.5151, 13.3391,
64.4442

■ 20.5151, 13.3391,
64.4442

■ 17.4089, 9.8109,
63.9272

■ 24.5279, 18.0651,
65.1452

■ 15.1328, 7.3684,
63.5757

■ 29.5109, 24.0847,
66.0445

■ 13.6002, 5.8794,
63.3691

■ 35.5245, 31.4852,
67.1560

■ 12.8755, 5.2502,
63.2858

■ 42.6232, 40.3461,
68.4922

■ 50.8576, 50.7406,
70.0645

■ 60.2754, 62.7370,
71.8837

■ 70.9211, 76.3995,
73.9597

■ 82.8372, 91.7886,
76.3021

■ 89.0103, 97.5841,
77.0954

Harmonies

Analogous

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



13.5355, 13.3391, 81.1632



20.5151, 13.3391, 64.4442



26.5474, 13.3391, 34.9112

Triad

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



20.5151, 13.3391, 64.4442



18.5778, 13.3391, 0.2265



4.1682, 13.3391, 17.0602

Complementary

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



20.5151, 13.3391, 64.4442



45.9438, 58.8441, 16.3338

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.



4.7452, 13.3391, 4.1841



20.5151, 13.3391, 64.4442



11.8583, 13.3391, 0.0000

Square

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



20.5151, 13.3391, 64.4442



25.1985, 13.3391, 2.6194



7.1449, 13.3391, 0.6202



5.1942, 13.3391, 42.9192

Rectangle

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



20.5151, 13.3391, 64.4442



28.4335, 13.3391, 18.3075



7.1449, 13.3391, 0.6202



4.1841, 13.3391, 11.3014

Sweetspot

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



20.5158, 13.3395, 64.4446



68.4521, 66.1646, 103.7710



33.3108, 42.6185, 69.4216



13.9155, 13.2355, 22.0712



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.



20.5158, 13.3395, 64.4446



25.0628, 13.5360, 95.8995



31.5067, 19.0055, 64.9589



11.9567, 12.1191, 15.6465



7.9283, 3.2397, 38.6606



0.5438, 0.2292, 2.3349

Inverse Universe

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



39.3134, 23.3689, 50.0134



55.8868, 30.0296, 70.0848



33.1518, 52.2496, 15.7351



12.8490, 12.5911, 15.1451



21.4199, 10.5043, 25.3130



1.3183, 0.6441, 1.6653

Previews

White Background



This preview shows how the XYZ color 20.5151, 13.3391, 64.4442 looks on a white background.

Color Contrast Check

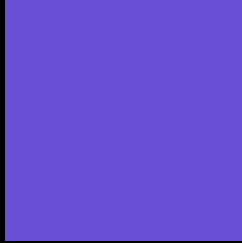
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.5151, 13.3391, 64.4442 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

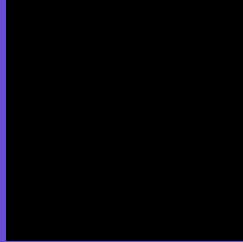
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.5151, 13.3391, 64.4442

Background



This preview shows how black text looks on a background with the XYZ color 20.5151, 13.3391, 64.4442.



This preview shows how white text looks on a background with the XYZ color 20.5151, 13.3391,

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

20.5151, 13.3391, 64.4442

Protanopia

15.7528, 13.2894, 61.4094

Deuteranopia

13.1885, 13.1959, 45.0320



Tritanopia

11.2341, 13.2322, 18.4850

Trichromacy



Original Color

20.5151, 13.3391, 64.4442

Protanomaly

16.1733, 12.5474, 62.5422

Deuteranomaly

14.4060, 12.4023, 51.5038

Tritanomaly

13.6069, 12.7150, 31.0152

Monochromacy



Original Color

20.5151, 13.3391, 64.4442

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

14.4787, 12.8420, 27.3068

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5151, 13.3391, 64.4442 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(104, 79, 213)` looks like.

```
.text, #text, p{  
    color:rgb(104, 79, 213)  
}
```

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(104, 79, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 79, 213) }
```

Border

The CSS property to change the border of an element to XYZ 20.5151, 13.3391, 64.4442 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(104, 79, 213) }
```


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

```
.border{ border-color:rgb(104, 79, 213) }
```

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

Here you see how a box with a 4 pixel rgb(104, 79, 213) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 79, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 79, 213);  
box-shadow:4px 4px 4px 4px rgb(104, 79,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5151, 13.3391, 64.4442 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 79, 213) }
```

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

```
.background{ background-color: rgb(104, 79,  
213) }
```

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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