

Converting Colors

XYZ(20.8457, 9.1045, 75.1540)

Have a look what the booklet for
XYZ(20.8457, 9.1045, 75.1540)
contains.

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Color

**XYZ(20.9650, 9.1579,
75.5256)**

Conversions

Conversions Part 1

Format	Color
Hex	7000E6
RGB	112, 0, 230
RGB Percent	44%, 0%, 90%
CMY	0.5608, 1.0000, 0.0980
CMYK	0.51, 1.00, 0.00, 0.10
HSL	269°, 100%, 45%
HSV	269°, 100%, 90%
XYZ	20.9650, 9.1579, 75.5256
YIQ	59.7080, -7.0780, 95.2740

Conversions

Conversions Part 2

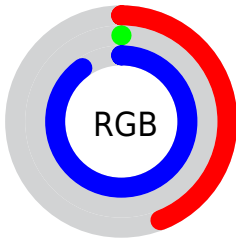
Format	Color
R_{YB}	112, 0, 230
Decimal	7340262
CIE _{Lab}	36.29, 76.73, -86.89
CIE _{LCh}	36, 115.921, 311.446
Yxy	9.1579, 0.1984, 0.0867
Android (android.graphics.Color)	4285530342 (0xFF7000E6)
YUV	59.7080, 83.9540, 45.8601
Hunter-Lab	30.2620, 70.7031, -126.7880

Details

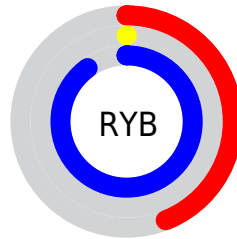
The XYZ color **20.9650, 9.1579, 75.5256** is a dark color, and the websafe version is hex **6633FF**. The color can be described as dark washed purple. A complement of this color would be **35.7675, 60.4451, 9.7819**, and the grayscale version is **4.1436, 4.3594, 4.7474**.

A 20% lighter version of the original color is **38.4536, 21.7827, 96.7855**, and **8.3058, 3.4104, 39.7557** is the 20% darker color. If you saturate the color by 10%, you get **20.9658, 9.1583, 75.5259**, and if you desaturate by 10%, it is **22.8734, 10.5965, 75.7030**.

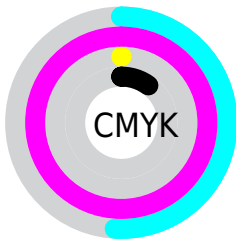
Distribution



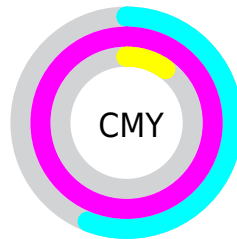
- Red (44%)
- Green (0%)
- Blue (90%)



- Red (44%)
- Yellow (0%)
- Blue (90%)



- Cyan (51%)
- Magenta (100%)
- Yellow (0%)
- Black (10%)



- Cyan (56%)
- Magenta (100%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9650, 9.1579, 75.5256 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 20.9650, 9.1579, 75.5256 by changing the saturation by 10% instead.

■ 20.9650, 9.1579,
75.5256

■ 20.9650, 9.1579,
75.5256

249.8277,
184.5515, 499.0257

■ 13.2107, 4.8443,
55.5393

■ 44.5210, 24.1991,
128.8100

■ 7.6518, 2.1562,
39.4321

■ 61.0534, 35.6954,
162.9452

■ 3.9229, 0.6960,
26.7857

■ 81.2426, 50.3548,
202.6337

■ 1.6586, 0.0000,
17.1813

■ 105.4540, 68.5617,
248.2942

■ 0.4301, 0.0000,
10.2005

■ 134.0528, 90.7004,
300.3450

■ 0.0000, 0.0000,
5.4248


■ 167.4044,

■ 0.0000, 0.0000,


117.1553, 359.2049


2.4355


 205.8743,
148.3109, 425.2923


 0.0000, 0.0000,
0.8057


 0.0000, 0.0000,
0.0000


 20.9650, 9.1579,
75.5256


 20.9650, 9.1579,
75.5256

 20.9658, 9.1583,
75.5259

 22.8734, 10.5965,
75.7030

 25.3492, 12.8684,
76.0110

 28.5163, 16.2099,
76.4890

 32.4486, 20.7593,
77.1599

■ 37.2090, 26.6330,
78.0427

■ 42.8530, 33.9333,
79.1544

■ 49.4308, 42.7522,
80.5099

■ 56.9887, 53.1736,
82.1231

■ 65.5694, 65.2754,
84.0067

Harmonies

Analogous

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



11.6510, 9.1579, 115.1489



20.9650, 9.1579, 75.5256



28.6557, 9.1579, 27.9022

Triad

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



20.9650, 9.1579, 75.5256



13.7157, 9.1579, 0.0000



1.0613, 9.1579, 19.7185

Complementary

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



20.9650, 9.1579, 75.5256



35.7675, 60.4451, 9.7819

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.



1.1709, 9.1579, 2.0567



20.9650, 9.1579, 75.5256



6.3017, 9.1579, 0.0000

Square

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



20.9650, 9.1579, 75.5256



23.1526, 9.1579, 0.0000



2.4972, 9.1579, 0.0000



2.0193, 9.1579, 63.2527

Rectangle

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



20.9650, 9.1579, 75.5256



30.2187, 9.1579, 9.0318



2.4972, 9.1579, 0.0000



0.9980, 9.1579, 10.9740

Sweetspot

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



20.9658, 9.1583, 75.5259



62.3163, 53.8216, 101.7119



20.8600, 18.8673, 77.4055



12.5540, 10.4600, 21.6073



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.



20.9658, 9.1583, 75.5259



26.3882, 11.5185, 95.4402



45.6994, 21.9090, 76.6834



14.2476, 14.2299, 18.1400



12.0097, 5.2571, 42.7649



0.9944, 0.4436, 3.1652

Inverse Universe

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



35.9030, 18.1309, 18.7453



45.3246, 22.8938, 23.4390



28.3449, 56.6186, 9.4346



14.6841, 14.4908, 16.5368



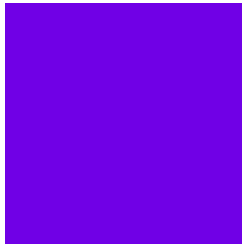
20.3882, 10.2895, 10.9394



1.5535, 0.7791, 1.0554

Previews

White Background



This preview shows how the XYZ color 20.9650, 9.1579, 75.5256 looks on a white background.

Color Contrast Check

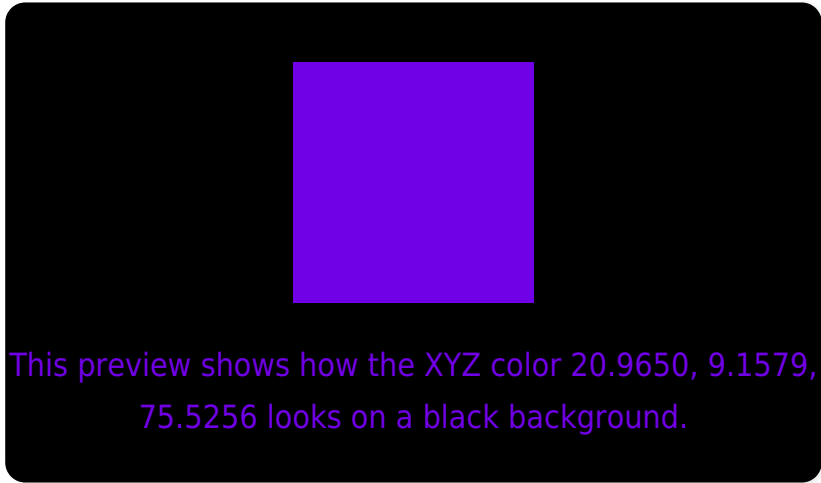
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

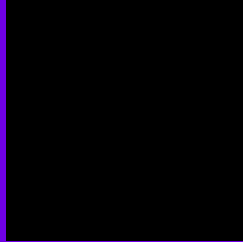
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.9650, 9.1579, 75.5256

Background



This preview shows how black text looks on a background with the XYZ color 20.9650, 9.1579, 75.5256.



This preview shows how white text looks on a background with the XYZ color 20.9650, 9.1579,

75.5256.

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

20.9650, 9.1579, 75.5256

Protanopia

11.0068, 9.4752, 42.3231

Deuteranopia

9.2421, 9.5467, 30.6337



Tritanopia

8.5615, 9.5919, 12.7094

Trichromacy



Original Color

20.9650, 9.1579, 75.5256

Protanomaly

12.1514, 7.0031, 52.9358

Deuteranomaly

10.6158, 6.6930, 43.9124

Tritanomaly

10.5044, 6.9968, 27.5849

Monochromacy



Original Color

20.9650, 9.1579, 75.5256

Achromatopsia

4.2949, 4.5186, 4.9208

Achromatomaly

7.4304, 4.4536, 18.8804

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9650, 9.1579, 75.5256 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(112, 0, 230)` looks like.

```
.text, #text, p{  
    color:rgb(112, 0, 230)  
}
```

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(112, 0, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 0, 230) }
```

Border

The CSS property to change the border of an element to XYZ 20.9650, 9.1579, 75.5256 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(112, 0, 230) }
```


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

```
.border{ border-color:rgb(112, 0, 230) }
```

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

Here you see how a box with a 4 pixel rgb(112, 0, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 0, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 0, 230);  
box-shadow:4px 4px 4px 4px rgb(112, 0,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9650, 9.1579, 75.5256 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 0, 230) }
```

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

```
.background{ background-color: rgb(112, 0,  
230) }
```

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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