

Converting Colors

XYZ(20.8453, 9.5698, 75.7837)

Have a look what the booklet for
XYZ(20.8453, 9.5698, 75.7837)
contains.

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Color

**XYZ(20.7939, 9.5546,
75.6112)**

Conversions

Conversions Part 1

Format	Color
Hex	6C18E6
RGB	108, 24, 230
RGB Percent	42%, 9%, 90%
CMY	0.5764, 0.9059, 0.0980
CMYK	0.53, 0.90, 0.00, 0.10
HSL	264°, 81%, 50%
HSV	264°, 90%, 90%
XYZ	20.7939, 9.5546, 75.6112
YIQ	72.6000, -16.0620, 81.8740

Conversions

Conversions Part 2

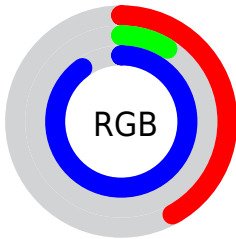
Format	Color
R_{YB}	108, 24, 230
Decimal	7084262
CIE _{Lab}	37.03, 72.70, -85.68
CIE _{LCh}	37, 112.362, 310.315
Yxy	9.5546, 0.1962, 0.0902
Android (android.graphics.Color)	4285274342 (0xFF6C18E6)
YUV	72.6000, 77.5982, 31.0458
Hunter-Lab	30.9105, 65.9858, -123.3938

Details

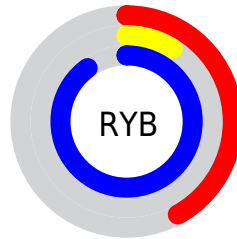
The XYZ color **20.7939, 9.5546, 75.6112** is a dark color, and the websafe version is hex **6633FF**. The color can be described as dark washed purple. A complement of this color would be **40.3142, 62.7699, 10.8550**, and the grayscale version is **6.1354, 6.4549, 7.0294**.

A 20% lighter version of the original color is **38.1724, 22.5335, 96.9452**, and **8.0782, 3.2931, 39.7450** is the 20% darker color. If you saturate the color by 10%, you get **18.9495, 8.1349, 75.4347**, and if you desaturate by 10%, it is **23.2725, 11.8562, 75.9251**.

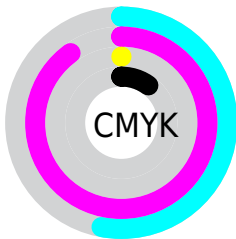
Distribution



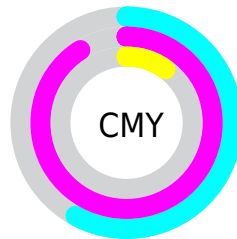
- Red (42%)
- Green (9%)
- Blue (90%)



- Red (42%)
- Yellow (9%)
- Blue (90%)



- Cyan (53%)
- Magenta (90%)
- Yellow (0%)
- Black (10%)




- Cyan (58%)
- Magenta (91%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.7939, 9.5546, 75.6112 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 20.7939, 9.5546, 75.6112 by changing the saturation by 10% instead.

 20.7939, 9.5546,
75.6112


 20.7939, 9.5546,
75.6112


248.9336,
187.4630, 499.3271


 13.0850, 5.1047,
55.6090


 44.2381, 24.9543,
128.9322


 7.5645, 2.3088,
39.4876


 60.7042, 36.6729,
163.0881


 3.8670, 0.7784,
26.8285


 80.8201, 51.5831,
202.7990

 1.6272, 0.0000,
17.2132

 104.9511, 70.0694,
248.4834

 0.4100, 0.0000,
10.2231

 133.4626, 92.5161,
300.5599

 0.0000, 0.0000,
5.4396

 166.7200,

 0.0000, 0.0000,

119.3077, 359.4470

2.4442

205.0885,
150.8285, 425.5632

■ 0.0000, 0.0000,
0.8104

■ 0.0000, 0.0000,
0.0000

■ 20.7939, 9.5546,
75.6112

■ 20.7939, 9.5546,
75.6112

■ 18.9495, 8.1349,
75.4347

■ 23.2725, 11.8562,
75.9251

■ 18.8781, 8.0821,
75.4282

■ 26.5043, 15.2644,
76.4126

■ 30.5672, 19.9183,
77.0968

■ 35.5275, 25.9356,
77.9968

■ 41.4440, 33.4200,
79.1296

■ 48.3701, 42.4648,
80.5104

■ 56.3550, 53.1551,
82.1530

■ 65.4442, 65.5702,
84.0703

■ 75.6808, 79.7838,
86.2742

Harmonies

Analogous

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



11.6967, 9.5546, 112.1469



20.7939, 9.5546, 75.6112



28.4275, 9.5546, 29.4085

Triad

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



20.7939, 9.5546, 75.6112



14.3806, 9.5546, 0.0000



1.2504, 9.5546, 18.8935

Complementary

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



20.7939, 9.5546, 75.6112



40.3142, 62.7699, 10.8550

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.



1.4076, 9.5546, 2.0940



20.7939, 9.5546, 75.6112



6.8882, 9.5546, 0.0000

Square

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



20.7939, 9.5546, 75.6112



23.5984, 9.5546, 0.0000



2.8802, 9.5546, 0.0000



2.2191, 9.5546, 60.1779

Rectangle

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



20.7939, 9.5546, 75.6112



30.1349, 9.5546, 10.1936



2.8802, 9.5546, 0.0000



1.1937, 9.5546, 10.6159

Sweetspot

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



20.7946, 9.5548, 75.6115



63.4385, 56.7314, 102.2144



25.1866, 26.9614, 78.7398



12.8798, 11.2169, 21.7362



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.



20.7946, 9.5548, 75.6115



23.7578, 10.1625, 95.3171



41.0174, 19.9800, 76.5579



14.1366, 14.1726, 18.1348



10.8182, 4.6429, 42.7092



0.9025, 0.3962, 3.1609

Inverse Universe

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



38.1474, 19.5512, 28.9535



46.8267, 23.4947, 31.3492



29.5263, 57.2086, 10.3501



14.7334, 14.5105, 16.7962



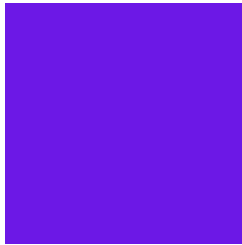
21.0613, 10.5588, 14.4839



1.6022, 0.7986, 1.3116

Previews

White Background



This preview shows how the XYZ color 20.7939, 9.5546, 75.6112 looks on a white background.

Color Contrast Check

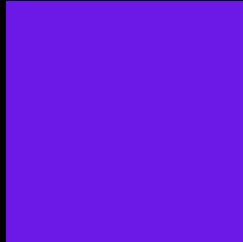
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.7939, 9.5546, 75.6112 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

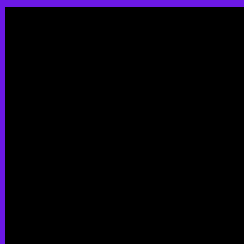
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.7939, 9.5546, 75.6112

Background



This preview shows how black text looks on a background with the XYZ color 20.7939, 9.5546, 75.6112.



This preview shows how white text looks on a background with the XYZ color 20.7939, 9.5546,

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

20.7939, 9.5546, 75.6112

Protanopia

11.1061, 9.5150, 42.8462

Deuteranopia

9.3237, 9.5793, 31.0633



Tritanopia

8.2400, 9.5413, 13.2117

Trichromacy



Original Color

20.7939, 9.5546, 75.6112



Protanomaly

12.5231, 7.8621, 53.0820



Deuteranomaly

11.0231, 7.6231, 44.0704



Tritanomaly

10.6670, 7.8702, 28.5607

Monochromacy



Original Color

20.7939, 9.5546, 75.6112



Achromatopsia

6.3328, 6.6626, 7.2556



Achromatomaly

9.2332, 6.3225, 21.8528

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7939, 9.5546, 75.6112 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(108, 24, 230)` looks like.

```
.text, #text, p{  
    color:rgb(108, 24, 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(108, 24, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 24, 230) }
```

Border

The CSS property to change the border of an element to XYZ 20.7939, 9.5546, 75.6112 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(108, 24, 230) }
```


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

```
.border{ border-color:rgb(108, 24, 230) }
```

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

Here you see how a box with a 4 pixel rgb(108, 24, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 24, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 24, 230);  
box-shadow:4px 4px 4px 4px rgb(108, 24,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7939, 9.5546, 75.6112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 24, 230) }
```

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

```
.background{ background-color: rgb(108, 24,  
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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