

Converting Colors

XYZ(20.7839, 13.4104, 56.9031)

Have a look what the booklet for
XYZ(20.7839, 13.4104, 56.9031)
contains.

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Color

**XYZ(20.8042, 13.4467,
56.7573)**

Conversions

Conversions Part 1

Format	Color
Hex	774DC9
RGB	119, 77, 201
RGB Percent	47%, 30%, 79%
CMY	0.5333, 0.6980, 0.2118
CMYK	0.41, 0.62, 0.00, 0.21
HSL	260°, 53%, 55%
HSV	260°, 62%, 79%
XYZ	20.8042, 13.4467, 56.7573
YIQ	103.6940, -14.7720, 47.4680

Conversions

Conversions Part 2

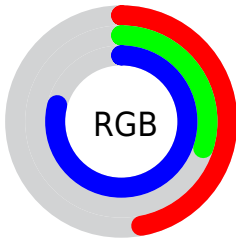
Format	Color
R_{YB}	119, 77, 201
Decimal	7818697
CIE _{Lab}	43.43, 45.17, -58.50
CIE _{LCh}	43, 73.907, 307.675
Yxy	13.4467, 0.2286, 0.1478
Android (android.graphics.Color)	4286008777 (0xFF774DC9)
YUV	103.6940, 47.9719, 13.4234
Hunter-Lab	36.6697, 37.0981, -66.1000

Details

The XYZ color **20.8042, 13.4467, 56.7573** is a dark color, and the websafe version is hex **663399**. The color can be described as dark muted purple. A complement of this color would be **36.5240, 49.6801, 14.6856**, and the grayscale version is **12.9559, 13.6307, 14.8438**.

A 20% lighter version of the original color is **43.6737, 31.8884, 98.4610**, and **7.5902, 3.9300, 27.5526** is the 20% darker color. If you saturate the color by 10%, you get **17.9106, 10.1801, 56.2796**, and if you desaturate by 10%, it is **24.3886, 17.7145, 57.3924**.

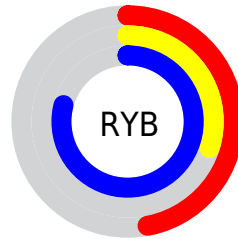
Distribution



Red (47%)

Green (30%)

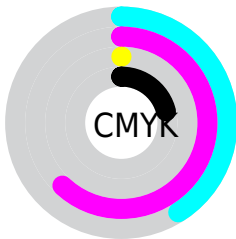
Blue (79%)



Red (47%)

Yellow (30%)

Blue (79%)

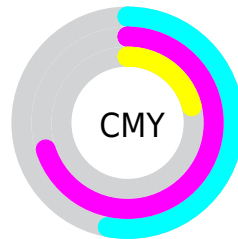


Cyan (41%)

Magenta (62%)

Yellow (0%)

Black (21%)



Cyan (53%)

Magenta (70%)

Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8042, 13.4467, 56.7573 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 20.8042, 13.4467, 56.7573 by changing the saturation by 10% instead.

■ 20.8042, 13.4467,
56.7573

■ 20.8042, 13.4467,
56.7573

248.9875,
213.7610, 430.0075

■ 13.0926, 7.7369,
40.4024

■ 44.2552, 32.1040,
101.6078

■ 7.5698, 3.9270,
27.5362

■ 60.7253, 45.8202,
130.9404

■ 3.8704, 1.6328,
17.7404

■ 80.8456, 62.9741,
165.4360

■ 1.6291, 0.3796,
10.5962

■ 104.9814, 83.9499,
205.5131

■ 0.4112, 0.0000,
5.6853

■ 133.4982,
109.1321, 251.5903

■ 0.0000, 0.0000,
2.5890

166.7612,

■ 0.0000, 0.0000,

138.9051, 304.0860

0.8868

205.1359,
173.6533, 363.4189

■ 0.0000, 0.0000,
0.0000

■ 20.8042, 13.4467,
56.7573

■ 20.8042, 13.4467,
56.7573

■ 17.9106, 10.1801,
56.2796

■ 24.3886, 17.7145,
57.3924

■ 15.6538, 7.8249,
55.9439

■ 28.7081, 23.0597,
58.1965

■ 13.9737, 6.2765,
55.7336

■ 33.8051, 29.5526,
59.1811

■ 12.9325, 5.4491,
55.6288

■ 39.7181, 37.2569,
60.3565

■ 46.4830, 46.2315,
61.7323

■ 54.1334, 56.5315,
63.3172

■ 62.7008, 68.2087,
65.1195

■ 72.2155, 81.3121,
67.1473

■ 81.7736, 94.0230,
69.0969

Harmonies

Analogous

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



14.3158, 13.4467, 73.8320



20.8042, 13.4467, 56.7573



25.9881, 13.4467, 30.2744

Triad

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



20.8042, 13.4467, 56.7573



17.4602, 13.4467, 0.4551



4.6534, 13.4467, 19.2932

Complementary

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



20.8042, 13.4467, 56.7573



36.5240, 49.6801, 14.6856

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.



5.0356, 13.4467, 5.6028



20.8042, 13.4467, 56.7573



11.3594, 13.4467, 0.1141

Square

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



20.8042, 13.4467, 56.7573



23.6882, 13.4467, 2.5596



7.1417, 13.4467, 1.1568



5.8722, 13.4467, 43.7954

Rectangle

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



20.8042, 13.4467, 56.7573



27.3267, 13.4467, 15.9643



7.1417, 13.4467, 1.1568



4.6076, 13.4467, 13.3932

Sweetspot

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



20.8048, 13.4471, 56.7576



70.6735, 67.3098, 103.8749



26.1165, 30.8213, 59.8312



14.4450, 13.5085, 22.0960



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.



20.8048, 13.4471, 56.7576



29.2553, 15.9147, 96.1377



32.0968, 19.2684, 57.2861



10.3897, 10.4592, 13.3887



8.2198, 3.4717, 34.9812



0.4668, 0.2044, 1.6600

Inverse Universe

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



32.9993, 20.2286, 34.9653



52.6187, 28.9568, 52.1532



27.2275, 44.8876, 14.2505



10.9245, 10.7532, 12.5858



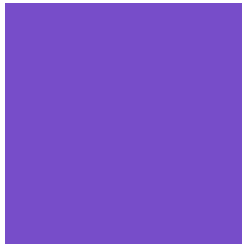
17.8477, 8.8886, 14.9398



0.8779, 0.4340, 0.8804

Previews

White Background



This preview shows how the XYZ color 20.8042, 13.4467, 56.7573 looks on a white background.

Color Contrast Check

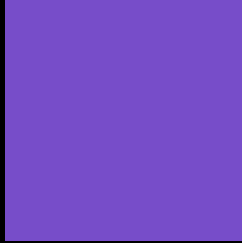
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.8042, 13.4467, 56.7573 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

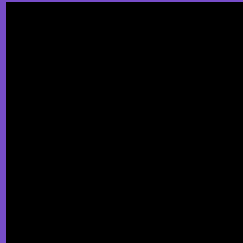
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.8042, 13.4467, 56.7573

Background



This preview shows how black text looks on a background with the XYZ color 20.8042, 13.4467, 56.7573.



This preview shows how white text looks on a background with the XYZ color 20.8042, 13.4467,

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

20.8042, 13.4467, 56.7573

Protanopia

16.0947, 13.5768, 62.7451

Deuteranopia

13.7033, 13.5638, 47.2432



Tritanopia

12.7565, 13.4449, 16.9617

Trichromacy



Original Color

20.8042, 13.4467, 56.7573



Protanomaly

15.9998, 12.5008, 60.6011



Deuteranomaly

14.3827, 12.4157, 50.3536



Tritanomaly

14.9806, 13.0832, 28.1213

Monochromacy



Original Color

20.8042, 13.4467, 56.7573



Achromatopsia

13.1579, 13.8432, 15.0752



Achromatomaly

14.9696, 13.1207, 26.1697

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8042, 13.4467, 56.7573 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(119, 77, 201)` looks like.

```
.text, #text, p{  
    color:rgb(119, 77, 201)  
}
```

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(119, 77, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 77, 201) }
```

Border

The CSS property to change the border of an element to XYZ 20.8042, 13.4467, 56.7573 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(119, 77, 201) }
```


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

```
.border{ border-color:rgb(119, 77, 201) }
```

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

Here you see how a box with a 4 pixel rgb(119, 77, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 77, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 77, 201);  
box-shadow:4px 4px 4px 4px rgb(119, 77,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8042, 13.4467, 56.7573 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 77, 201) }
```

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

```
.background{ background-color: rgb(119, 77,  
201) }
```

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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