

Converting Colors

XYZ(20.1257, 16.1608, 35.2525)

Have a look what the booklet for
XYZ(20.1257, 16.1608, 35.2525)
contains.

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Color

**XYZ(20.0729, 16.0987,
35.3071)**

Conversions

Conversions Part 1

Format	Color
Hex	8362A0
RGB	131, 98, 160
RGB Percent	51%, 38%, 63%
CMY	0.4863, 0.6157, 0.3725
CMYK	0.18, 0.39, 0.00, 0.37
HSL	272°, 25%, 51%
HSV	272°, 39%, 63%
XYZ	20.0729, 16.0987, 35.3071
YIQ	114.9350, -0.2340, 26.2780

Conversions

Conversions Part 2

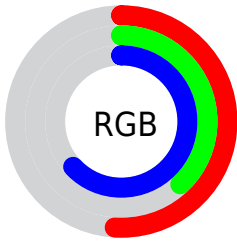
Format	Color
R_{YB}	131, 98, 160
Decimal	8610464
CIE _{Lab}	47.10, 25.76, -28.60
CIE _{LCh}	47, 38.492, 312.002
Yxy	16.0987, 0.2808, 0.2252
Android (android.graphics.Color)	4286800544 (0xFF8362A0)
YUV	114.9350, 22.2170, 14.0890
Hunter-Lab	40.1232, 19.0847, -24.0870

Details

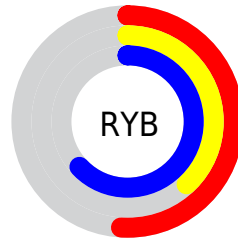
The XYZ color **20.0729, 16.0987, 35.3071** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **23.5283, 30.5358, 16.2098**, and the grayscale version is **16.2114, 17.0556, 18.5736**.

A 20% lighter version of the original color is **43.0208, 36.7155, 69.1093**, and **7.1989, 5.1558, 14.8031** is the 20% darker color. If you saturate the color by 10%, you get **17.6053, 12.8223, 34.8050**, and if you desaturate by 10%, it is **22.9246, 20.0181, 35.9136**.

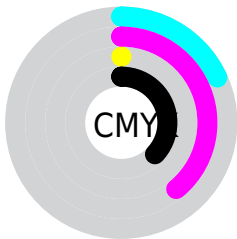
Distribution



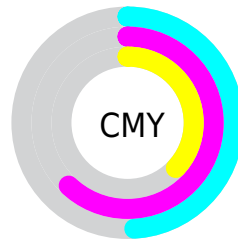
- Red (51%)
- Green (38%)
- Blue (63%)



- Red (51%)
- Yellow (38%)
- Blue (63%)



- Cyan (18%)
- Magenta (39%)
- Yellow (0%)
- Black (37%)



- Cyan (49%)
- Magenta (62%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0729, 16.0987, 35.3071 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 20.0729, 16.0987, 35.3071 by changing the saturation by 10% instead.

■ 20.0729, 16.0987,
35.3071

■ 20.0729, 16.0987,
35.3071

245.1355,
229.9234, 340.8671

■ 12.5566, 9.5940,
23.6141

■ 43.0424, 36.7695,
69.1182

■ 7.1988, 5.1306,
14.8381

■ 59.2263, 51.7043,
92.0734

■ 3.6342, 2.3241,
8.5604

■ 79.0301, 70.2181,
119.6197

■ 1.4973, 0.7864,
4.3627

■ 102.8192, 92.6951,
152.1757

■ 0.3240, 0.0000,
1.8264

130.9590,
119.5197, 190.1599

■ 0.0000, 0.0000,
0.4453

163.8147,

■ 0.0000, 0.0000,

151.0764, 233.9908

0.0000

201.7518,
187.7495, 284.0871

■ 20.0729, 16.0987,
35.3071

■ 20.0729, 16.0987,
35.3071

■ 17.6053, 12.8223,
34.8050

■ 22.9246, 20.0181,
35.9136

■ 15.5005, 10.1501,
34.4002

■ 26.1768, 24.6122,
36.6289

■ 13.7374, 8.0422,
34.0862

■ 29.8471, 29.9132,
37.4587

■ 12.2915, 6.4528,
33.8556

■ 33.9513, 35.9503,
38.4076

■ 11.1349, 5.3284,
33.6996

■ 38.5044, 42.7511,
39.4804

10.2138, 4.5647,
33.6007

43.5206, 50.3420,
40.6812

10.1062, 4.4770,
33.5894

49.0136, 58.7478,
42.0141

54.9962, 67.9923,
43.4832

61.4810, 78.0984,
45.0921

Harmonies

Analogous

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



16.6924, 16.0987, 42.7500



20.0729, 16.0987, 35.3071



22.3484, 16.0987, 23.9283

Triad

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



20.0729, 16.0987, 35.3071



17.3975, 16.0987, 5.1206



9.7862, 16.0987, 21.6892

Complementary

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



20.0729, 16.0987, 35.3071



23.5283, 30.5358, 16.2098

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.



9.9173, 16.0987, 12.3859



20.0729, 16.0987, 35.3071



13.9898, 16.0987, 4.9021

Square

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



20.0729, 16.0987, 35.3071



20.6541, 16.0987, 7.7941



11.3530, 16.0987, 7.0198



10.9638, 16.0987, 33.1579

Rectangle

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



20.0729, 16.0987, 35.3071



22.7549, 16.0987, 16.8867



11.3530, 16.0987, 7.0198



9.6841, 16.0987, 18.1869

Sweetspot

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



20.0735, 16.0994, 35.3075



51.7844, 50.8122, 67.4649



19.0975, 20.5650, 36.2208



11.1806, 10.8886, 14.7561



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



20.0735, 16.0994, 35.3075



32.7491, 24.3037, 63.3515



25.1204, 18.7116, 35.0737



6.6049, 6.6003, 8.3326



7.9238, 3.5139, 26.1679



0.1903, 0.0879, 0.4702

Inverse Universe

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



22.6961, 17.7418, 22.3075



38.3816, 27.8263, 35.6525



19.8620, 28.6402, 16.2946



6.7557, 6.6952, 7.5646



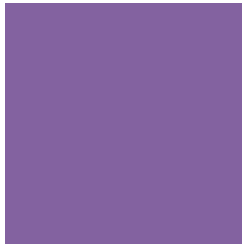
12.3000, 6.2246, 5.8309



0.2411, 0.1198, 0.2159

Previews

White Background



This preview shows how the XYZ color 20.0729, 16.0987, 35.3071 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 20.0729, 16.0987, 35.3071 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

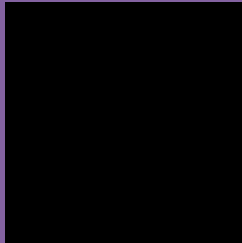
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.0729, 16.0987, 35.3071

Background



This preview shows how black text looks on a background with the XYZ color 20.0729, 16.0987, 35.3071.



This preview shows how white text looks on a background with the XYZ color 20.0729, 16.0987,

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

20.0729, 16.0987, 35.3071

Protanopia

17.1460, 16.2783, 40.2685

Deuteranopia

16.5941, 16.2900, 34.1680



Tritanopia

16.7223, 16.0614, 18.7418

Trichromacy



Original Color

20.0729, 16.0987, 35.3071

Protanomaly

17.9808, 16.1254, 38.2412

Deuteranomaly

17.6323, 16.0279, 34.5121

Tritanomaly

17.8676, 16.0786, 23.9916

Monochromacy



Original Color

20.0729, 16.0987, 35.3071

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

17.4505, 16.6409, 23.7650

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0729, 16.0987, 35.3071 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(131, 98, 160)` looks like.

```
.text, #text, p{  
    color:rgb(131, 98, 160)  
}
```

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(131, 98, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 98, 160) }
```

Border

The CSS property to change the border of an element to XYZ 20.0729, 16.0987, 35.3071 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(131, 98, 160) }
```


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

```
.border{ border-color:rgb(131, 98, 160) }
```

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

Here you see how a box with a 4 pixel rgb(131, 98, 160) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 98, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 98, 160);  
box-shadow:4px 4px 4px 4px rgb(131, 98,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0729, 16.0987, 35.3071 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 98, 160) }
```

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

```
.background{ background-color: rgb(131, 98,  
160) }
```

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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