

Converting Colors

XYZ(20.3492, 16.7587, 31.7026)

Have a look what the booklet for
XYZ(20.3492, 16.7587, 31.7026)
contains.

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Color

**XYZ(20.3129, 16.7253,
31.8635)**

Conversions

Conversions Part 1

Format	Color
Hex	876598
RGB	135, 101, 152
RGB Percent	53%, 40%, 60%
CMY	0.4706, 0.6039, 0.4039
CMYK	0.11, 0.34, 0.00, 0.40
HSL	280°, 20%, 50%
HSV	280°, 34%, 60%
XYZ	20.3129, 16.7253, 31.8635
YIQ	116.9800, 3.8930, 23.0690

Conversions

Conversions Part 2

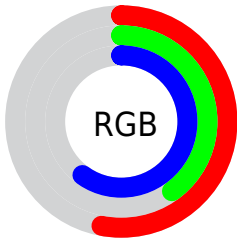
Format	Color
RYB	135, 101, 152
Decimal	8873368
CIELab	47.91, 23.46, -22.59
CIELCh	48, 32.564, 316.077
Yxy	16.7253, 0.2948, 0.2427
Android (android.graphics.Color)	4287063448 (0xFF876598)
YUV	116.9800, 17.2649, 15.8035
Hunter-Lab	40.8966, 17.0901, -17.5667

Details

The XYZ color $20.3129, 16.7253, 31.8635$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $21.0490, 27.2481, 16.4627$, and the grayscale version is $16.8502, 17.7278, 19.3055$.

A 20% lighter version of the original color is $43.3551, 37.7315, 63.3904$, and $7.2782, 5.3706, 12.9649$ is the 20% darker color. If you saturate the color by 10%, you get $18.1756, 13.6319, 31.3793$, and if you desaturate by 10%, it is $22.7631, 20.3861, 32.4412$.

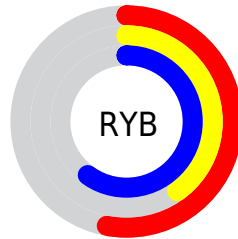
Distribution



Red (53%)

Green (40%)

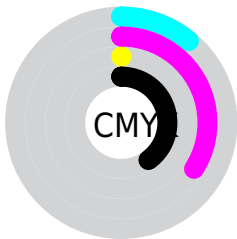
Blue (60%)



Red (53%)

Yellow (40%)

Blue (60%)

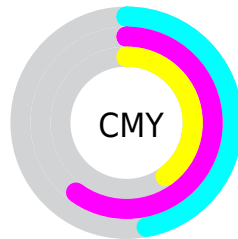


Cyan (11%)

Magenta (34%)

Yellow (0%)

Black (40%)



Cyan (47%)

Magenta (60%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3129, 16.7253, 31.8635 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 20.3129, 16.7253, 31.8635 by changing the saturation by 10% instead.

■ 20.3129, 16.7253,
31.8635

■ 20.3129, 16.7253,
31.8635

246.4054,
233.5844, 324.9705

■ 12.7323, 10.0388,
20.9933

■ 43.4411, 37.8529,
63.6925

■ 7.3202, 5.4247,
12.9279

■ 59.7194, 53.0627,
85.4883

■ 3.7112, 2.4985,
7.2488

■ 79.6277, 71.8826,
111.7631

■ 1.5401, 0.8759,
3.5374

■ 103.5312, 94.6967,
142.9354

■ 0.3529, 0.0000,
1.3751

131.7954,
121.8895, 179.4238

■ 0.0000, 0.0000,
0.1222

164.7856,

■ 0.0000, 0.0000,

153.8455, 221.6467

0.0000

202.8672,
190.9490, 270.0228

■ 20.3129, 16.7253,
31.8635

■ 20.3129, 16.7253,
31.8635

■ 18.1756, 13.6319,
31.3793

■ 22.7631, 20.3861,
32.4412

■ 16.3338, 11.0732,
30.9825

■ 25.5390, 24.6402,
33.1160

■ 14.7712, 9.0167,
30.6679

■ 28.6545, 29.5145,
33.8927

■ 13.4686, 7.4252,
30.4294

■ 32.1224, 35.0336,
34.7752

■ 12.4044, 6.2561,
30.2598

■ 35.9546, 41.2208,
35.7675

■ 11.5529, 5.4590,
30.1508

■ 40.1626, 48.0982,
36.8731

■ 11.0719, 5.0530,
30.0978

■ 44.7573, 55.6868,
38.0957

■ 49.7490, 64.0068,
39.4386

■ 55.1477, 73.0775,
40.9048

Harmonies

Analogous

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



17.5097, 16.7253, 38.5469



20.3129, 16.7253, 31.8635



22.0205, 16.7253, 22.3786

Triad

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



20.3129, 16.7253, 31.8635



17.2923, 16.7253, 6.6054



11.0720, 16.7253, 23.0580

Complementary

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



20.3129, 16.7253, 31.8635



21.0490, 27.2481, 16.4627

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.



11.0289, 16.7253, 14.5959



20.3129, 16.7253, 31.8635



14.3863, 16.7253, 6.6856

Square

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



20.3129, 16.7253, 31.8635



20.1369, 16.7253, 8.8818



12.1723, 16.7253, 9.1504



12.2982, 16.7253, 32.4908

Rectangle

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



20.3129, 16.7253, 31.8635



22.1874, 16.7253, 16.5547



12.1723, 16.7253, 9.1504



10.9243, 16.7253, 19.9743

Sweetspot

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



20.3135, 16.7260, 31.8639



46.8561, 46.2553, 58.8923



17.5134, 17.9913, 32.2557



10.4923, 10.2680, 13.3464



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



20.3135, 16.7260, 31.8639



33.0741, 25.4787, 55.6083



22.5990, 17.9818, 28.4658



6.2611, 6.2205, 7.7996



9.3171, 4.2542, 25.2378



0.1774, 0.0833, 0.3791

Inverse Universe

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



20.8732, 17.2915, 19.3777



34.3455, 26.7082, 29.7265



19.3830, 26.3386, 18.6725



6.2895, 6.2550, 6.9046



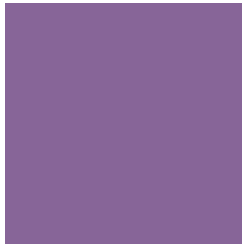
11.3655, 5.8004, 3.1835



0.1856, 0.0930, 0.1302

Previews

White Background



This preview shows how the XYZ color 20.3129, 16.7253, 31.8635 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 20.3129, 16.7253, 31.8635 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

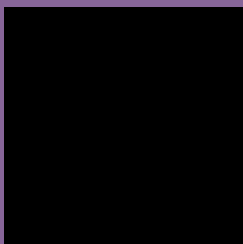
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.3129, 16.7253, 31.8635

Background



This preview shows how black text looks on a background with the XYZ color 20.3129, 16.7253, 31.8635.



This preview shows how white text looks on a background with the XYZ color 20.3129, 16.7253,

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

20.3129, 16.7253, 31.8635

Protanopia

17.3728, 16.8142, 36.0480

Deuteranopia

17.1249, 16.7936, 31.1931



Tritanopia

17.7794, 16.7553, 19.1266

Trichromacy



Original Color

20.3129, 16.7253, 31.8635

Protanomaly

18.2162, 16.6385, 34.5992

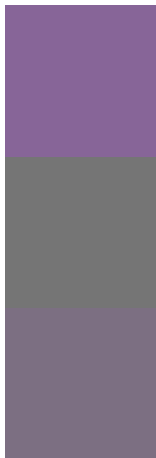
Deuteranomaly

18.1509, 16.6725, 31.5396

Tritanomaly

18.5966, 16.6204, 23.3470

Monochromacy



Original Color

20.3129, 16.7253, 31.8635

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

18.0259, 17.2657, 23.5016

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3129, 16.7253, 31.8635 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(135, 101, 152)` looks like.

```
.text, #text, p{  
    color:rgb(135, 101, 152)  
}
```

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(135, 101, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 101, 152) }
```

Border

The CSS property to change the border of an element to XYZ 20.3129, 16.7253, 31.8635 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(135, 101, 152) }
```


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

```
.border{ border-color:rgb(135, 101, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 101, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 101, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 101, 152);  
box-shadow:4px 4px 4px 4px rgb(135, 101,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3129, 16.7253, 31.8635 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 101, 152) }
```

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

```
.background{ background-color: rgb(135,  
101, 152) }
```

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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