

Converting Colors

XYZ(20.2040, 16.4103, 34.4955)

Have a look what the booklet for
XYZ(20.2040, 16.4103, 34.4955)
contains.

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Color

**XYZ(20.2444, 16.4885,
34.4634)**

Conversions

Conversions Part 1

Format	Color
Hex	84649E
RGB	132, 100, 158
RGB Percent	52%, 39%, 62%
CMY	0.4823, 0.6078, 0.3804
CMYK	0.16, 0.37, 0.00, 0.38
HSL	273°, 23%, 51%
HSV	273°, 37%, 62%
XYZ	20.2444, 16.4885, 34.4634
YIQ	116.1800, 0.4540, 24.8220

Conversions

Conversions Part 2

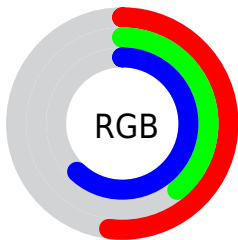
Format	Color
R_{YB}	132, 100, 158
Decimal	8676510
CIE _{Lab}	47.61, 24.43, -26.63
CIE _{LCh}	48, 36.135, 312.528
Yxy	16.4885, 0.2843, 0.2316
Android (android.graphics.Color)	4286866590 (0xFF84649E)
YUV	116.1800, 20.6173, 13.8741
Hunter-Lab	40.6060, 17.9318, -21.8967

Details

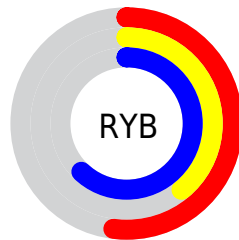
The XYZ color **20.2444, 16.4885, 34.4634** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **23.1319, 29.8099, 16.5921**, and the grayscale version is **16.5948, 17.4590, 19.0128**.

A 20% lighter version of the original color is **43.3265, 37.3764, 67.8816**, and **7.2680, 5.3361, 14.2826** is the 20% darker color. If you saturate the color by 10%, you get **17.8032, 13.1947, 33.9566**, and if you desaturate by 10%, it is **23.0558, 20.4103, 35.0725**.

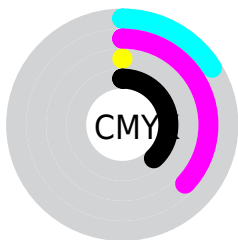
Distribution



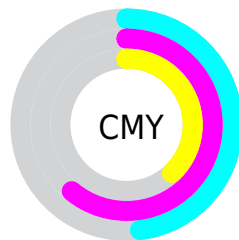
- Red (52%)
- Green (39%)
- Blue (62%)



- Red (52%)
- Yellow (39%)
- Blue (62%)



- Cyan (16%)
- Magenta (37%)
- Yellow (0%)
- Black (38%)



- Cyan (48%)
- Magenta (61%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2444, 16.4885, 34.4634 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 20.2444, 16.4885, 34.4634 by changing the saturation by 10% instead.

■ 20.2444, 16.4885,
34.4634

■ 20.2444, 16.4885,
34.4634

246.0436,
232.2072, 337.0254

■ 12.6821, 9.8705,
22.9696

■ 43.3274, 37.4442,
67.7958

■ 7.2855, 5.3132,
14.3660

■ 59.5788, 52.5507,
90.4714

■ 3.6892, 2.4322,
8.2340

■ 79.4573, 71.2555,
117.7114

■ 1.5279, 0.8424,
4.1551

■ 103.3282, 93.9429,
149.9342

■ 0.3447, 0.0000,
1.7108

131.5570,
120.9974, 187.5585

■ 0.0000, 0.0000,
0.3681

164.5089,

■ 0.0000, 0.0000,

152.8034, 231.0028

0.0000

202.5493,
189.7452, 280.6856

■ 20.2444, 16.4885,
34.4634

■ 20.2444, 16.4885,
34.4634

■ 17.8032, 13.1947,
33.9566

■ 23.0558, 20.4103,
35.0725

■ 15.7120, 10.4918,
33.5451

■ 26.2529, 24.9900,
35.7879

■ 13.9511, 8.3422,
33.2230

■ 29.8522, 30.2583,
36.6151

■ 12.4977, 6.7028,
32.9831

■ 33.8688, 36.2432,
37.5586

■ 11.3256, 5.5238,
32.8173

■ 38.3167, 42.9710,
38.6228

■ 10.3964, 4.7304,
32.7132

■ 43.2096, 50.4669,
39.8118

■ 10.1181, 4.5031,
32.6840

■ 48.5602, 58.7546,
41.1294

■ 54.3810, 67.8571,
42.5796

■ 60.6837, 77.7961,
44.1658

Harmonies

Analogous

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



17.0547, 16.4885, 41.4456



20.2444, 16.4885, 34.4634



22.3564, 16.4885, 23.8257

Triad

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



20.2444, 16.4885, 34.4634



17.6068, 16.4885, 5.7887



10.3679, 16.4885, 22.0841

Complementary

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



20.2444, 16.4885, 34.4634



23.1319, 29.8099, 16.5921

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.



10.4733, 16.4885, 13.1348



20.2444, 16.4885, 34.4634



14.3658, 16.4885, 5.6044

Square

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



20.2444, 16.4885, 34.4634



20.6961, 16.4885, 8.4311



11.8455, 16.4885, 7.7938



11.5346, 16.4885, 32.8182

Rectangle

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



20.2444, 16.4885, 34.4634



22.7129, 16.4885, 17.1819



11.8455, 16.4885, 7.7938



10.2608, 16.4885, 18.7472

Sweetspot

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



20.2450, 16.4892, 34.4638



51.1726, 50.4779, 65.7896



18.9014, 20.1259, 35.2365



11.3507, 11.1079, 14.7895



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.



20.2450, 16.4892, 34.4638



33.1006, 24.9837, 61.8212



24.5830, 18.7540, 33.3790



6.6170, 6.6065, 8.3331



8.1494, 3.6302, 26.1784



0.1940, 0.0898, 0.4703

Inverse Universe

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



22.4242, 17.8905, 22.0108



37.8492, 28.0292, 35.0497



19.9261, 28.1408, 17.1879



6.7504, 6.6931, 7.5370



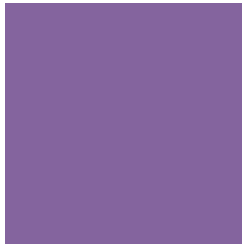
12.2189, 6.1921, 5.4040



0.2395, 0.1191, 0.2073

Previews

White Background



This preview shows how the XYZ color 20.2444, 16.4885, 34.4634 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 20.2444, 16.4885, 34.4634 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 20.2444, 16.4885, 34.4634

Background



This preview shows how black text looks on a background with the XYZ color 20.2444, 16.4885, 34.4634.



This preview shows how white text looks on a background with the XYZ color 20.2444, 16.4885,

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

20.2444, 16.4885, 34.4634

Protanopia

17.2756, 16.5386, 38.8410

Deuteranopia

17.0505, 16.6980, 33.7769



Tritanopia

17.0309, 16.3695, 19.0916

Trichromacy



Original Color

20.2444, 16.4885, 34.4634

Protanomaly

18.1429, 16.3839, 37.3281

Deuteranomaly

18.1305, 16.6042, 34.1476

Tritanomaly

18.1185, 16.3583, 24.0323

Monochromacy



Original Color

20.2444, 16.4885, 34.4634

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

17.6987, 16.9281, 23.8074

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2444, 16.4885, 34.4634 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(132, 100, 158)` looks like.

```
.text, #text, p{  
    color:rgb(132, 100, 158)  
}
```

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(132, 100, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 100, 158) }
```

Border

The CSS property to change the border of an element to XYZ 20.2444, 16.4885, 34.4634 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(132, 100, 158) }
```


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

```
.border{ border-color:rgb(132, 100, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 100, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(132, 100, 158); -webkit-box-shadow:4px 4px 4px 4px rgb(132, 100, 158); box-shadow:4px 4px 4px 4px rgb(132, 100, 158) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2444, 16.4885, 34.4634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 100, 158) }
```

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

```
.background{ background-color: rgb(132,  
100, 158) }
```

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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