

Converting Colors

XYZ(20.9726, 16.3679, 24.2732)

Have a look what the booklet for
XYZ(20.9726, 16.3679, 24.2732)
contains.

XYZ(20.9035, 16.3619, 24.2467)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(20.9035, 16.3619,
24.2467)**

Conversions

Conversions Part 1

Format	Color
Hex	965F85
RGB	150, 95, 133
RGB Percent	59%, 37%, 52%
CMY	0.4118, 0.6274, 0.4784
CMYK	0.00, 0.37, 0.11, 0.41
HSL	319°, 22%, 48%
HSV	319°, 37%, 59%
XYZ	20.9035, 16.3619, 24.2467
YIQ	115.7770, 20.5820, 23.4780

Conversions

Conversions Part 2

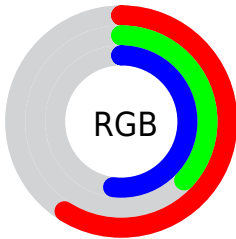
Format	Color
R_{YB}	150, 95, 133
Decimal	9854853
CIE _{Lab}	47.45, 28.33, -11.84
CIE _{LCh}	47, 30.707, 337.328
Yxy	16.3619, 0.3398, 0.2660
Android (android.graphics.Color)	4288044933 (0xFF965F85)
YUV	115.7770, 8.4909, 30.0136
Hunter-Lab	40.4498, 21.4572, -7.2251

Details

The XYZ color **20.9035, 16.3619, 24.2467** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **18.5510, 25.4159, 19.2584**, and the grayscale version is **16.5031, 17.3625, 18.9078**.

A 20% lighter version of the original color is **44.3186, 37.0821, 51.2761**, and **7.6149, 5.2542, 8.7964** is the 20% darker color. If you saturate the color by 10%, you get **19.3670, 13.7901, 22.1889**, and if you desaturate by 10%, it is **22.7153, 19.4613, 26.4664**.

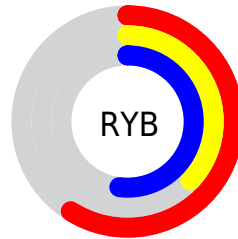
Distribution



Red (59%)

Green (37%)

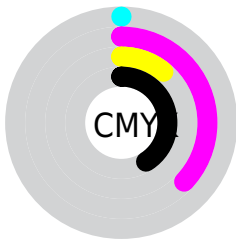
Blue (52%)



Red (59%)

Yellow (37%)

Blue (52%)

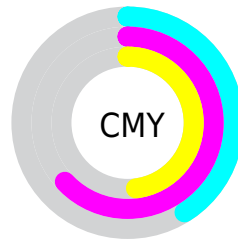


Cyan (0%)

Magenta (37%)

Yellow (11%)

Black (41%)



Cyan (41%)

Magenta (63%)

Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9035, 16.3619, 24.2467 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 20.9035, 16.3619, 24.2467 by changing the saturation by 10% instead.

■ 20.9035, 16.3619,
24.2467

■ 20.9035, 16.3619,
24.2467

249.5066,
231.4678, 287.3920

■ 13.1655, 9.7806,
15.3028

■ 44.4194, 37.2253,
51.3813

■ 7.6204, 5.2537,
8.8832

■ 60.9280, 52.2763,
70.4092

■ 3.9028, 2.3969,
4.5693

■ 81.0909, 70.9192,
93.6355

■ 1.6473, 0.8243,
1.9426

■ 105.2734, 93.5386,
121.4787

■ 0.4229, 0.0000,
0.5196

133.8408,
120.5187, 154.3574

■ 0.0000, 0.0000,
0.0000

167.1586,

152.2440, 192.6902

205.5921,
189.0990, 236.8955

■ 20.9035, 16.3619,
24.2467

■ 20.9035, 16.3619,
24.2467

■ 19.3670, 13.7901,
22.1889

■ 22.7153, 19.4613,
26.4664

■ 18.0891, 11.7134,
20.2860

■ 24.8150, 23.1135,
28.8526

■ 17.0537, 10.0997,
18.5319


■ 27.2159, 27.3452,
31.4107


■ 16.2421, 8.9116,
16.9194

■ 29.9302, 32.1803,
34.1456


■ 15.6325, 8.1063,
15.4405


■ 32.9696, 37.6416,
37.0620

 15.1912, 7.6163,
14.0828

 36.3448, 43.7506,
40.1644

 15.0579, 7.4761,
13.6488

 40.0662, 50.5278,
43.4570

 44.1439, 57.9929,
46.9439

 48.5872, 66.1646,
50.6290

Harmonies

Analogous

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



18.9493, 16.3619, 32.6067



20.9035, 16.3619, 24.2467



21.3475, 16.3619, 15.9694

Triad

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



20.9035, 16.3619, 24.2467



14.8928, 16.3619, 6.6933



11.7467, 16.3619, 28.5494

Complementary

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



20.9035, 16.3619, 24.2467



18.5510, 25.4159, 19.2584

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.



10.9128, 16.3619, 19.7983



20.9035, 16.3619, 24.2467



12.5863, 16.3619, 8.3500

Square

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



20.9035, 16.3619, 24.2467



17.6594, 16.3619, 7.2478



11.2012, 16.3619, 12.6355



13.6184, 16.3619, 35.5547

Rectangle

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



20.9035, 16.3619, 24.2467



20.6852, 16.3619, 11.7771



11.2012, 16.3619, 12.6355



11.3463, 16.3619, 25.6288

Sweetspot

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



20.9040, 16.3626, 24.2470



46.0335, 44.7286, 53.3392



16.2166, 13.7993, 30.6632



10.0891, 9.7141, 11.7006



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



20.9040, 16.3626, 24.2470



34.6312, 25.0861, 39.7905



19.2720, 15.7099, 15.6531



5.9598, 5.8790, 6.8942



12.5034, 6.2064, 11.3978



0.1663, 0.0813, 0.2093

Inverse Universe

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



20.9040, 16.3626, 24.2470



34.6312, 25.0861, 39.7905



20.2864, 26.1101, 28.3971



5.9598, 5.8790, 6.8942



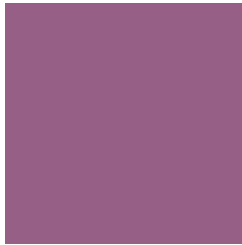
12.5034, 6.2064, 11.3978



0.1663, 0.0813, 0.2093

Previews

White Background



This preview shows how the XYZ color 20.9035, 16.3619, 24.2467 looks on a white background.

Color Contrast Check

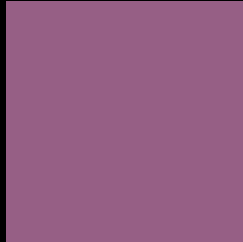
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.9035, 16.3619, 24.2467 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

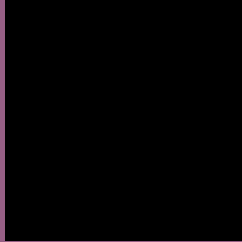
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.9035, 16.3619, 24.2467

Background



This preview shows how black text looks on a background with the XYZ color 20.9035, 16.3619, 24.2467.



This preview shows how white text looks on a background with the XYZ color 20.9035, 16.3619,

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

20.9035, 16.3619, 24.2467

Protanopia

16.7307, 16.6359, 29.1173

Deuteranopia

16.8077, 16.4766, 23.4135



Tritanopia

19.2436, 16.3789, 16.0571

Trichromacy



Original Color

20.9035, 16.3619, 24.2467

Protanomaly

17.8469, 16.2961, 27.4041

Deuteranomaly

18.0504, 16.3310, 23.6736

Tritanomaly

19.7328, 16.2922, 18.6277

Monochromacy



Original Color

20.9035, 16.3619, 24.2467

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

17.7775, 16.7195, 20.7026

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9035, 16.3619, 24.2467 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(150, 95, 133)` looks like.

```
.text, #text, p{  
    color:rgb(150, 95, 133)  
}
```

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(150, 95, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 95, 133) }
```

Border

The CSS property to change the border of an element to XYZ 20.9035, 16.3619, 24.2467 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(150, 95, 133) }
```


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

```
.border{ border-color:rgb(150, 95, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 95, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 95, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 95, 133);  
box-shadow:4px 4px 4px 4px rgb(150, 95,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9035, 16.3619, 24.2467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 95, 133) }
```

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

```
.background{ background-color: rgb(150, 95,  
133) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor