

Converting Colors

XYZ(24.3190, 18.3488, 34.0645)

Have a look what the booklet for
XYZ(24.3190, 18.3488, 34.0645)
contains.

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Color

**XYZ(24.3581, 18.3378,
34.1540)**

Conversions

Conversions Part 1

Format	Color
Hex	9D629D
RGB	157, 98, 157
RGB Percent	62%, 38%, 62%
CMY	0.3843, 0.6157, 0.3843
CMYK	0.00, 0.38, 0.00, 0.38
HSL	300°, 23%, 50%
HSV	300°, 38%, 62%
XYZ	24.3581, 18.3378, 34.1540
YIQ	122.3670, 16.2250, 30.8570

Conversions

Conversions Part 2

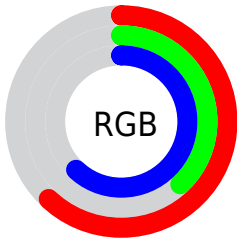
Format	Color
R_{YB}	157, 98, 157
Decimal	10314397
CIE _{Lab}	49.90, 33.53, -22.26
CIE _{LCh}	50, 40.247, 326.413
Yxy	18.3378, 0.3170, 0.2386
Android (android.graphics.Color)	4288504477 (0xFF9D629D)
YUV	122.3670, 17.0741, 30.3731
Hunter-Lab	42.8227, 26.5935, -17.3120

Details

The XYZ color **24.3581, 18.3378, 34.1540** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **19.2993, 27.5931, 15.8651**, and the grayscale version is **18.5613, 19.5280, 21.2660**.

A 20% lighter version of the original color is **50.2306, 40.7123, 67.4982**, and **9.3570, 6.1596, 14.0604** is the 20% darker color. If you saturate the color by 10%, you get **23.0309, 15.6830, 33.7117**, and if you desaturate by 10%, it is **25.9746, 21.5705, 34.6931**.

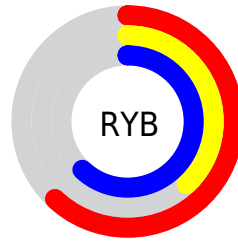
Distribution



Red (62%)

Green (38%)

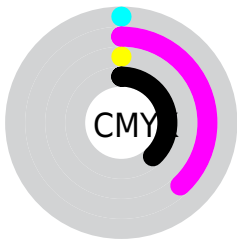
Blue (62%)



Red (62%)

Yellow (38%)

Blue (62%)

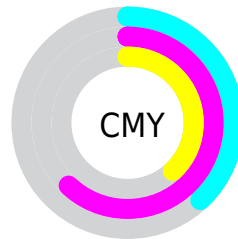


Cyan (0%)

Magenta (38%)

Yellow (0%)

Black (38%)



Cyan (38%)

Magenta (62%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.3581, 18.3378, 34.1540 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 24.3581, 18.3378, 34.1540 by changing the saturation by 10% instead.

■ 24.3581, 18.3378,
34.1540

■ 24.3581, 18.3378,
34.1540

267.0329,
242.7682, 335.6083

■ 15.7256, 11.1928,
22.7336

■ 50.0644, 40.6121,
67.3097

■ 9.4198, 6.1967,
14.1935

■ 67.8689, 56.5102,
89.8821

■ 5.0753, 2.9650,
8.1151

■ 89.4615, 76.0947,
117.0089

■ 2.3267, 1.1135,
4.0798

■ 115.2075, 99.7501,
149.1087

■ 0.8083, 0.0000,
1.6692

145.4723,
127.8607, 186.6000

■ 0.0000, 0.0000,
0.3395

180.6213,

■ 0.0000, 0.0000,

160.8111, 229.9013

0.0000

221.0197,
198.9854, 279.4312

■ 24.3581, 18.3378,
34.1540

■ 24.3581, 18.3378,
34.1540

■ 23.0309, 15.6830,
33.7117

■ 25.9746, 21.5705,
34.6931

■ 21.9743, 13.5699,
33.3595

■ 27.8943, 25.4097,
35.3330

■ 21.1702, 11.9618,
33.0914

■ 30.1320, 29.8852,
36.0790

■ 20.5977, 10.8166,
32.9005

■ 32.7014, 35.0239,
36.9355

■ 20.2321, 10.0855,
32.7786

■ 35.6151, 40.8513,
37.9068

■ 20.0319, 9.6851,
32.7118

■ 38.8853, 47.3916,
38.9969

■ 19.9906, 9.6025,
32.6981

■ 42.5233, 54.6677,
40.2096

■ 46.5402, 62.7016,
41.5486

■ 50.9465, 71.5141,
43.0174

Harmonies

Analogous

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



20.9371, 18.3378, 45.6342



24.3581, 18.3378, 34.1540



25.9181, 18.3378, 21.3237

Triad

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



24.3581, 18.3378, 34.1540



17.8971, 18.3378, 5.3950



11.6009, 18.3378, 30.9701

Complementary

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



24.3581, 18.3378, 34.1540



19.2993, 27.5931, 15.8651

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.



11.0319, 18.3378, 18.6686



24.3581, 18.3378, 34.1540



14.3373, 18.3378, 6.3553

Square

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



24.3581, 18.3378, 34.1540



21.8574, 18.3378, 6.9943



11.9578, 18.3378, 10.3792



13.6441, 18.3378, 43.3697

Rectangle

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



24.3581, 18.3378, 34.1540



25.5455, 18.3378, 14.5516



11.9578, 18.3378, 10.3792



11.2452, 18.3378, 26.5819

Sweetspot

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



24.3587, 18.3386, 34.1544



52.4389, 50.4729, 64.1051



15.4913, 13.7673, 33.7396



11.4285, 10.8856, 14.0691



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



24.3587, 18.3386, 34.1544



41.6171, 28.8295, 60.4975



22.1364, 17.4497, 22.4522



6.9042, 6.7546, 8.3465



16.2358, 7.7989, 26.5565



0.2903, 0.1394, 0.4748

Inverse Universe

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



24.3587, 18.3386, 34.1544



41.6171, 28.8295, 60.4975



20.9581, 28.2566, 24.6002



6.9042, 6.7546, 8.3465



16.2358, 7.7989, 26.5565



0.2903, 0.1394, 0.4748

Previews

White Background



This preview shows how the XYZ color 24.3581, 18.3378, 34.1540 looks on a white background.

Color Contrast Check

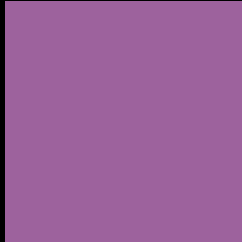
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.3581, 18.3378, 34.1540 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

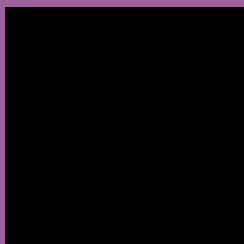
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 24.3581, 18.3378, 34.1540

Background



This preview shows how black text looks on a background with the XYZ color 24.3581, 18.3378, 34.1540.



This preview shows how white text looks on a background with the XYZ color 24.3581, 18.3378,

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

24.3581, 18.3378, 34.1540

Protanopia

19.1745, 18.4678, 41.5838

Deuteranopia

18.7932, 18.4672, 32.7110



Tritanopia

21.3011, 18.4286, 18.6540

Trichromacy



Original Color

24.3581, 18.3378, 34.1540

Protanomaly

20.4361, 18.0068, 38.9578

Deuteranomaly

20.3108, 18.0741, 32.9900

Tritanomaly

22.3060, 18.3824, 23.4916

Monochromacy



Original Color

24.3581, 18.3378, 34.1540

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

20.2700, 18.7104, 25.4648

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.3581, 18.3378, 34.1540 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(157, 98, 157)` looks like.

```
.text, #text, p{  
    color:rgb(157, 98, 157)  
}
```

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(157, 98, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 98, 157) }
```

Border

The CSS property to change the border of an element to XYZ 24.3581, 18.3378, 34.1540 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(157, 98, 157) }
```


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

```
.border{ border-color:rgb(157, 98, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 98, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 98, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 98, 157);  
box-shadow:4px 4px 4px 4px rgb(157, 98,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 24.3581, 18.3378, 34.1540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 98, 157) }
```

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

```
.background{ background-color: rgb(157, 98,  
157) }
```

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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