

Converting Colors

XYZ(24.8136, 18.1163, 34.4668)

Have a look what the booklet for
XYZ(24.8136, 18.1163, 34.4668)
contains.

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Color

**XYZ(24.7610, 18.1266,
34.5415)**

Conversions

Conversions Part 1

Format	Color
Hex	A05F9E
RGB	160, 95, 158
RGB Percent	63%, 37%, 62%
CMY	0.3725, 0.6274, 0.3804
CMYK	0.00, 0.41, 0.01, 0.37
HSL	302°, 25%, 50%
HSV	302°, 41%, 63%
XYZ	24.7610, 18.1266, 34.5415
YIQ	121.6170, 18.5170, 33.3730

Conversions

Conversions Part 2

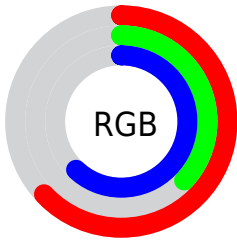
Format	Color
R_{YB}	160, 95, 158
Decimal	10510238
CIE _{Lab}	49.65, 36.36, -23.21
CIE _{LCh}	50, 43.142, 327.446
Yxy	18.1266, 0.3198, 0.2341
Android (android.graphics.Color)	4288700318 (0xFFA05F9E)
YUV	121.6170, 17.9368, 33.6619
Hunter-Lab	42.5753, 29.3053, -18.2994

Details

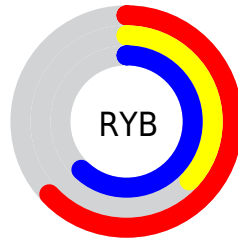
The XYZ color **24.7610, 18.1266, 34.5415** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **19.4486, 28.4383, 15.7744**, and the grayscale version is **18.3137, 19.2675, 20.9823**.

A 20% lighter version of the original color is **50.7629, 40.2705, 68.0483**, and **9.6419, 6.1204, 14.3088** is the 20% darker color. If you saturate the color by 10%, you get **23.4230, 15.5179, 33.8869**, and if you desaturate by 10%, it is **26.3964, 21.3290, 35.2964**.

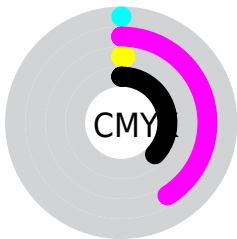
Distribution



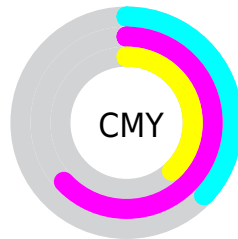
- Red (63%)
- Green (37%)
- Blue (62%)



- Red (63%)
- Yellow (37%)
- Blue (62%)



- Cyan (0%)
- Magenta (41%)
- Yellow (1%)
- Black (37%)



- Cyan (37%)
- Magenta (63%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.7610, 18.1266, 34.5415 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 24.7610, 18.1266, 34.5415 by changing the saturation by 10% instead.

■ 24.7610, 18.1266,
34.5415

■ 24.7610, 18.1266,
34.5415

269.0153,
241.5837, 337.3824

■ 16.0269, 11.0409,
23.0292

■ 50.7149, 40.2529,
67.9184

■ 9.6341, 6.0944,
14.4096

■ 68.6654, 56.0624,
90.6200

■ 5.2175, 2.9025,
8.2641

■ 90.4187, 75.5485,
117.8884

■ 2.4115, 1.0811,
4.1742

■ 116.3402, 99.0958,
150.1423

■ 0.8508, 0.0000,
1.7214

146.7953,
127.0885, 187.8001

■ 0.0000, 0.0000,
0.3753

182.1492,

■ 0.0000, 0.0000,

159.9111, 231.2804

0.0000

222.7674,
197.9481, 281.0016

■ 24.7610, 18.1266,
34.5415

■ 24.7610, 18.1266,
34.5415

■ 23.4230, 15.5179,
33.8869

■ 26.3964, 21.3290,
35.2964

■ 22.3623, 13.4639,
33.3254

■ 28.3441, 25.1561,
36.1561

■ 21.5593, 11.9251,
32.8507

■ 30.6201, 29.6396,
37.1260

■ 20.9909, 10.8552,
32.4550

■ 33.2389, 34.8084,
38.2110

■ 20.6300, 10.2001,
32.1293

■ 36.2140, 40.6896,
39.4157

■ 20.4203, 9.8428,
31.8675

■ 39.5583, 47.3088,
40.7443

■ 43.2840, 54.6905,
42.2008

■ 47.4027, 62.8580,
43.7892

■ 51.9255, 71.8335,
45.5131

Harmonies

Analogous

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



21.1221, 18.1266, 47.3032



24.7610, 18.1266, 34.5415



26.3611, 18.1266, 20.7596

Triad

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



24.7610, 18.1266, 34.5415



17.5823, 18.1266, 4.6862



11.1391, 18.1266, 32.0732

Complementary

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



24.7610, 18.1266, 34.5415



19.4486, 28.4383, 15.7744

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.



10.4946, 18.1266, 18.7482



24.7610, 18.1266, 34.5415



13.8460, 18.1266, 5.7194

Square

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



24.7610, 18.1266, 34.5415



21.8264, 18.1266, 6.1712



11.4037, 18.1266, 9.9134



13.3269, 18.1266, 45.5250

Rectangle

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



24.7610, 18.1266, 34.5415



25.8929, 18.1266, 13.7144



11.4037, 18.1266, 9.9134



10.7515, 18.1266, 27.3056

Sweetspot

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



24.7616, 18.1274, 34.5419



54.8905, 52.4244, 67.1120



15.2708, 13.2147, 35.0041



11.9256, 11.2752, 14.6710



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.



24.7616, 18.1274, 34.5419



42.6772, 28.4642, 61.6031



22.3830, 17.1760, 22.0163



6.8953, 6.7511, 8.3000



15.9099, 7.6685, 24.8402



0.2869, 0.1381, 0.4571

Inverse Universe

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



24.7616, 18.1274, 34.5419



42.6772, 28.4642, 61.6031



21.2257, 29.1491, 25.1324



6.8953, 6.7511, 8.3000



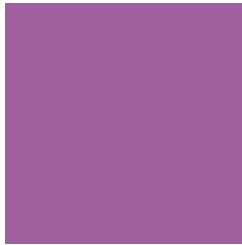
15.9099, 7.6685, 24.8402



0.2869, 0.1381, 0.4571

Previews

White Background



This preview shows how the XYZ color 24.7610, 18.1266, 34.5415 looks on a white background.

Color Contrast Check

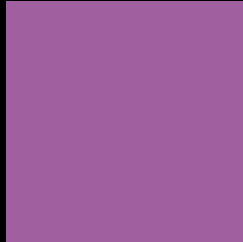
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.7610, 18.1266, 34.5415 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

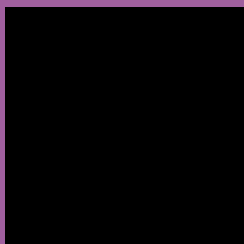
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 24.7610, 18.1266, 34.5415

Background



This preview shows how black text looks on a background with the XYZ color 24.7610, 18.1266, 34.5415.



This preview shows how white text looks on a background with the XYZ color 24.7610, 18.1266,

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

24.7610, 18.1266, 34.5415

Protanopia

19.2447, 18.4704, 43.1083

Deuteranopia

18.6337, 18.2034, 33.1034



Tritanopia

21.3586, 18.1654, 18.0033

Trichromacy



Original Color

24.7610, 18.1266, 34.5415

Protanomaly

20.5152, 17.8668, 39.9035

Deuteranomaly

20.3322, 17.7588, 33.3665

Tritanomaly

22.3264, 17.9603, 23.0588

Monochromacy



Original Color

24.7610, 18.1266, 34.5415

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

20.3207, 18.5719, 25.4354

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.7610, 18.1266, 34.5415 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(160, 95, 158)` looks like.

```
.text, #text, p{  
    color:rgb(160, 95, 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(160, 95, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 95, 158) }
```

Border

The CSS property to change the border of an element to XYZ 24.7610, 18.1266, 34.5415 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(160, 95, 158) }
```


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

```
.border{ border-color:rgb(160, 95, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 95, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 95, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 95, 158);  
box-shadow:4px 4px 4px 4px rgb(160, 95,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 24.7610, 18.1266, 34.5415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 95, 158) }
```

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

```
.background{ background-color: rgb(160, 95,  
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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