

Converting Colors

XYZ(24.9298, 18.3932, 34.3426)

Have a look what the booklet for
XYZ(24.9298, 18.3932, 34.3426)
contains.

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Color

**XYZ(24.7659, 18.2736,
34.1201)**

Conversions

Conversions Part 1

Format	Color
Hex	A0609D
RGB	160, 96, 157
RGB Percent	63%, 38%, 62%
CMY	0.3725, 0.6235, 0.3843
CMYK	0.00, 0.40, 0.02, 0.37
HSL	303°, 25%, 50%
HSV	303°, 40%, 63%
XYZ	24.7659, 18.2736, 34.1201
YIQ	122.0900, 18.5630, 32.5390

Conversions

Conversions Part 2

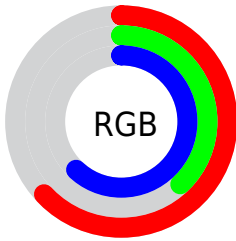
Format	Color
R _Y B	160, 96, 157
Decimal	10510493
CIE Lab	49.83, 35.62, -22.35
CIE LCh	50, 42.054, 327.892
Yxy	18.2736, 0.3210, 0.2368
Android (android.graphics.Color)	4288700573 (0xFFA0609D)
YUV	122.0900, 17.2106, 33.2471
Hunter-Lab	42.7476, 28.6059, -17.4005

Details

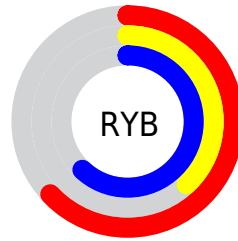
The XYZ color **24.7659, 18.2736, 34.1201** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **19.6476, 28.5300, 16.2767**, and the grayscale version is **18.4699, 19.4317, 21.1612**.

A 20% lighter version of the original color is **50.7925, 40.5322, 67.4338**, and **9.6297, 6.1788, 14.0497** is the 20% darker color. If you saturate the color by 10%, you get **23.3883, 15.6203, 33.3460**, and if you desaturate by 10%, it is **26.4421, 21.5229, 34.9961**.

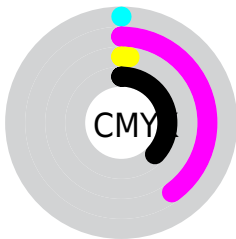
Distribution



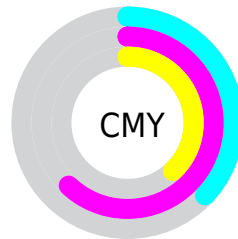
- Red (63%)
- Green (38%)
- Blue (62%)



- Red (63%)
- Yellow (38%)
- Blue (62%)



- Cyan (0%)
- Magenta (40%)
- Yellow (2%)
- Black (37%)





- Cyan (37%)
- Magenta (62%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.7659, 18.2736, 34.1201 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 24.7659, 18.2736, 34.1201 by changing the saturation by 10% instead.


 24.7659, 18.2736,
34.1201


 24.7659, 18.2736,
34.1201


269.0393,
242.4087, 335.4527

 16.0305, 11.1466,
22.7078


 50.7228, 40.5030,
67.2564

 9.6367, 6.1655,
14.1746


 68.6751, 56.3742,
89.8175

 5.2192, 2.9460,
8.1021


 90.4304, 75.9288,
116.9319

 2.4125, 1.1036,
4.0716

 116.3540, 99.5514,
149.0182

 0.8514, 0.0000,
1.6647

146.8114,
127.6263, 186.4948

 0.0000, 0.0000,
0.3364

182.1678,

 0.0000, 0.0000,

160.5379, 229.7805

0.0000

222.7886,
198.6705, 279.2936

■ 24.7659, 18.2736,
34.1201

■ 24.7659, 18.2736,
34.1201

■ 23.3883, 15.6203,
33.3460

■ 26.4421, 21.5229,
34.9961

■ 22.2895, 13.5243,
32.6666

■ 28.4319, 25.3989,
35.9783

■ 21.4499, 11.9460,
32.0755

■ 30.7511, 29.9333,
37.0723

■ 20.8468, 10.8400,
31.5652

■ 33.4142, 35.1548,
38.2828

■ 20.4532, 10.1525,
31.1267

■ 36.4347, 41.0904,
39.6145

■ 20.2060, 9.7572,
30.7388

■ 39.8254, 47.7658,
41.0715

■ 20.2059, 9.7571,
30.7388

■ 43.5984, 55.2052,
42.6579

■ 47.7654, 63.4318,
44.3776

■ 52.3374, 72.4680,
46.2342

Harmonies

Analogous

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



21.2377, 18.2736, 46.5462



24.7659, 18.2736, 34.1201



26.2858, 18.2736, 20.7214

Triad

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



24.7659, 18.2736, 34.1201



17.6541, 18.2736, 4.9682



11.3979, 18.2736, 32.1411

Complementary

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



24.7659, 18.2736, 34.1201



19.6476, 28.5300, 16.2767

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.



10.7375, 18.2736, 19.0944



24.7659, 18.2736, 34.1201



14.0003, 18.2736, 6.0516

Square

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



24.7659, 18.2736, 34.1201



21.8052, 18.2736, 6.4270



11.6137, 18.2736, 10.3042



13.5786, 18.2736, 45.1274

Rectangle

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



24.7659, 18.2736, 34.1201



25.8033, 18.2736, 13.8458



11.6137, 18.2736, 10.3042



11.0070, 18.2736, 27.4951

Sweetspot

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



24.7665, 18.2744, 34.1205



54.8407, 52.4045, 66.8498



15.5802, 13.5087, 35.0446



11.9136, 11.2704, 14.6079



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.



24.7665, 18.2744, 34.1205



42.7093, 28.8286, 60.6881



22.4381, 17.3431, 21.8593



6.8907, 6.7492, 8.2756



15.7444, 7.6023, 23.9689



0.2852, 0.1374, 0.4480

Inverse Universe

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



24.7665, 18.2744, 34.1205



42.7093, 28.8286, 60.6881



21.4336, 29.2444, 25.6819



6.8907, 6.7492, 8.2756



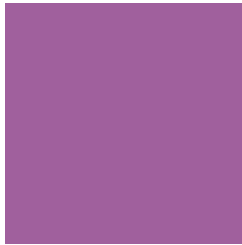
15.7444, 7.6023, 23.9689



0.2852, 0.1374, 0.4480

Previews

White Background



This preview shows how the XYZ color 24.7659, 18.2736, 34.1201 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 24.7659, 18.2736, 34.1201 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

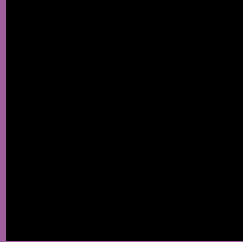
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 24.7659, 18.2736, 34.1201

Background



This preview shows how black text looks on a background with the XYZ color 24.7659, 18.2736, 34.1201.



This preview shows how white text looks on a background with the XYZ color 24.7659, 18.2736,

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

24.7659, 18.2736, 34.1201

Protanopia

19.1596, 18.4490, 42.0864

Deuteranopia

18.7932, 18.4672, 32.7110



Tritanopia

21.3586, 18.1654, 18.0033

Trichromacy



Original Color

24.7659, 18.2736, 34.1201

Protanomaly

20.4697, 17.8649, 38.9286

Deuteranomaly

20.3546, 17.9375, 32.9613

Tritanomaly

22.4241, 18.1556, 23.0914

Monochromacy



Original Color

24.7659, 18.2736, 34.1201

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

20.4316, 18.7938, 25.4724

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.7659, 18.2736, 34.1201 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, 96, 157)` looks like.

```
.text, #text, p{  
    color:rgb(160, 96, 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(160, 96, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 96, 157) }
```

Border

The CSS property to change the border of an element to XYZ 24.7659, 18.2736, 34.1201 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, 96, 157) }
```


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

```
.border{ border-color:rgb(160, 96, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 96, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 96, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 96, 157);  
box-shadow:4px 4px 4px 4px rgb(160, 96,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 24.7659, 18.2736, 34.1201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 96, 157) }
```

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

```
.background{ background-color: rgb(160, 96,  
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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