

Converting Colors

XYZ(24.6721, 17.9484, 34.5121)

Have a look what the booklet for
XYZ(24.6721, 17.9484, 34.5121)
contains.

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Color

**XYZ(24.6715, 17.9476,
34.5117)**

Conversions

Conversions Part 1

Format	Color
Hex	A05E9E
RGB	160, 94, 158
RGB Percent	63%, 37%, 62%
CMY	0.3725, 0.6314, 0.3804
CMYK	0.00, 0.41, 0.01, 0.37
HSL	302°, 26%, 50%
HSV	302°, 41%, 63%
XYZ	24.6715, 17.9476, 34.5117
YIQ	121.0300, 18.7920, 33.8960

Conversions

Conversions Part 2

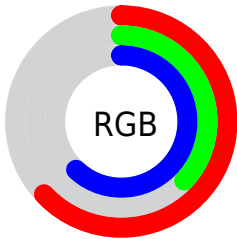
Format	Color
R_{YB}	160, 94, 158
Decimal	10509982
CIE _{Lab}	49.43, 36.91, -23.55
CIE _{LCh}	49, 43.785, 327.464
Yxy	17.9476, 0.3199, 0.2327
Android (android.graphics.Color)	4288700062 (0xFFA05E9E)
YUV	121.0300, 18.2262, 34.1767
Hunter-Lab	42.3646, 29.8134, -18.6445

Details

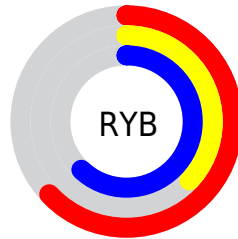
The XYZ color **24.6715, 17.9476, 34.5117** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **19.2990, 28.3665, 15.5255**, and the grayscale version is **18.1229, 19.0667, 20.7636**.

A 20% lighter version of the original color is **50.6080, 39.9608, 67.9967**, and **9.6033, 6.0432, 14.2960** is the 20% darker color. If you saturate the color by 10%, you get **23.3520, 15.3750, 33.8665**, and if you desaturate by 10%, it is **26.2872, 21.1118, 35.2569**.

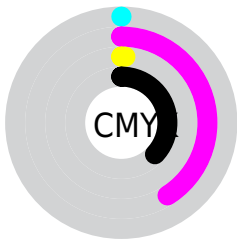
Distribution



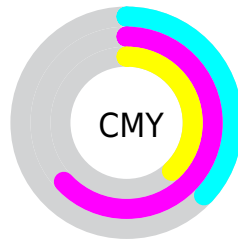
- Red (63%)
- Green (37%)
- Blue (62%)



- 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 24.6715, 17.9476, 34.5117 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 24.6715, 17.9476, 34.5117 by changing the saturation by 10% instead.

 24.6715, 17.9476,
34.5117


 24.6715, 17.9476,
34.5117


268.5759,
240.5755, 337.2463


 15.9599, 10.9124,
23.0064


 50.5705, 39.9480,
67.8716


 9.5865, 6.0079,
14.3929


 68.4887, 55.6820,
90.5633

 5.1858, 2.8499,
8.2526


 90.2064, 75.0844,
117.8209

 2.3926, 1.0539,
4.1669

 116.0891, 98.5395,
150.0629

 0.8414, 0.0000,
1.7174

146.5020,
126.4318, 187.7079

 0.0000, 0.0000,
0.3726

181.8105,

 0.0000, 0.0000,

159.1456, 231.1745

0.0000

222.3801,
197.0654, 280.8811

■ 24.6715, 17.9476,
34.5117

■ 24.6715, 17.9476,
34.5117

■ 23.3520, 15.3750,
33.8665

■ 26.2872, 21.1118,
35.2569

■ 22.3087, 13.3547,
33.3139

■ 28.2143, 24.8986,
36.1064

■ 21.5216, 11.8468,
32.8476

■ 30.4687, 29.3399,
37.0659

■ 20.9677, 10.8048,
32.4598

■ 33.0650, 34.4648,
38.1402

■ 20.6194, 10.1738,
32.1414

■ 36.0168, 40.3004,
39.3338

■ 20.4266, 9.8454,
31.9007

■ 39.3370, 46.8726,
40.6510

■ 43.0378, 54.2057,
42.0959

■ 47.1309, 62.3231,
43.6724

■ 51.6275, 71.2472,
45.3842

Harmonies

Analogous

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



20.9914, 17.9476, 47.4820



24.6715, 17.9476, 34.5117



26.2904, 17.9476, 20.5661

Triad

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



24.6715, 17.9476, 34.5117



17.4126, 17.9476, 4.4852



10.9356, 17.9476, 32.0260

Complementary

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



24.6715, 17.9476, 34.5117



19.2990, 28.3665, 15.5255

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.



10.2889, 17.9476, 18.5523



24.6715, 17.9476, 34.5117



13.6506, 17.9476, 5.5072

Square

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



24.6715, 17.9476, 34.5117



21.6984, 17.9476, 5.9514



11.1991, 17.9476, 9.6810



13.1325, 17.9476, 45.6855

Rectangle

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



24.6715, 17.9476, 34.5117



25.8151, 17.9476, 13.4779



11.1991, 17.9476, 9.6810



10.5469, 17.9476, 27.1966

Sweetspot

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



24.6721, 17.9484, 34.5121



54.8919, 52.4250, 67.1196



15.0784, 12.9826, 34.9695



11.9259, 11.2754, 14.6728



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.



24.6721, 17.9484, 34.5121



42.6830, 28.4665, 61.6337



22.2601, 16.9836, 21.8106



6.8955, 6.7511, 8.3007



15.9147, 7.6705, 24.8658



0.2870, 0.1381, 0.4574

Inverse Universe

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



24.6721, 17.9484, 34.5121



42.6830, 28.4665, 61.6337



21.0905, 29.0831, 24.9594



6.8955, 6.7511, 8.3007



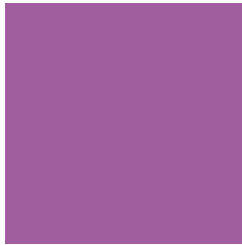
15.9147, 7.6705, 24.8658



0.2870, 0.1381, 0.4574

Previews

White Background



This preview shows how the XYZ color 24.6715, 17.9476, 34.5117 looks on a white background.

Color Contrast Check

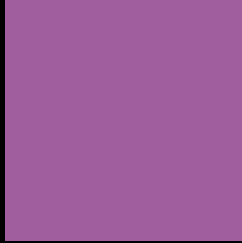
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.6715, 17.9476, 34.5117 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

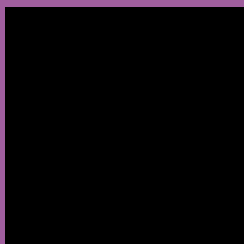
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 24.6715, 17.9476, 34.5117

Background



This preview shows how black text looks on a background with the XYZ color 24.6715, 17.9476, 34.5117.



This preview shows how white text looks on a background with the XYZ color 24.6715, 17.9476,

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

24.6715, 17.9476, 34.5117

Protanopia

19.0203, 18.1826, 43.0646

Deuteranopia

18.5085, 18.1389, 33.0975



Tritanopia

21.2014, 17.9405, 17.6747

Trichromacy



Original Color

24.6715, 17.9476, 34.5117

Protanomaly

20.4092, 17.6546, 39.8681

Deuteranomaly

20.1810, 17.6809, 33.3594

Tritanomaly

22.2299, 17.7672, 23.0267

Monochromacy



Original Color

24.6715, 17.9476, 34.5117

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

19.9792, 18.2410, 25.0221

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.6715, 17.9476, 34.5117 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, 94, 158)` looks like.

```
.text, #text, p{  
    color:rgb(160, 94, 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, 94, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 94, 158) }
```

Border

The CSS property to change the border of an element to XYZ 24.6715, 17.9476, 34.5117 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, 94, 158) }
```


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

```
.border{ border-color:rgb(160, 94, 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, 94, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 94, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 94, 158);  
box-shadow:4px 4px 4px 4px rgb(160, 94,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 24.6715, 17.9476, 34.5117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 94, 158) }
```

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

```
.background{ background-color: rgb(160, 94,  
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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