

Converting Colors

XYZ(24.1269, 17.4054, 28.6889)

Have a look what the booklet for
XYZ(24.1269, 17.4054, 28.6889)
contains.

XYZ(24.1618, 17.4190, 28.8768)	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(24.1618, 17.4190,
28.8768)**

Conversions

Conversions Part 1

Format	Color
Hex	A45B91
RGB	164, 91, 145
RGB Percent	64%, 36%, 57%
CMY	0.3569, 0.6431, 0.4314
CMYK	0.00, 0.45, 0.12, 0.36
HSL	316°, 29%, 50%
HSV	316°, 45%, 64%
XYZ	24.1618, 17.4190, 28.8768
YIQ	118.9830, 26.1740, 32.2700

Conversions

Conversions Part 2

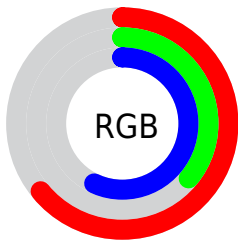
Format	Color
R_{YB}	164, 91, 145
Decimal	10771345
CIE _{Lab}	48.78, 37.50, -16.80
CIE _{LCh}	49, 41.090, 335.865
Yxy	17.4190, 0.3429, 0.2472
Android (android.graphics.Color)	4288961425 (0xFFA45B91)
YUV	118.9830, 12.8264, 39.4799
Hunter-Lab	41.7361, 30.2989, -11.8069

Details

The XYZ color **24.1618, 17.4190, 28.8768** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **20.4051, 29.9015, 19.4492**, and the grayscale version is **17.4846, 18.3952, 20.0323**.

A 20% lighter version of the original color is **49.6465, 38.9841, 58.9409**, and **9.2437, 5.7090, 11.2044** is the 20% darker color. If you saturate the color by 10%, you get **22.5871, 14.7863, 26.7584**, and if you desaturate by 10%, it is **26.0563, 20.6710, 31.1632**.

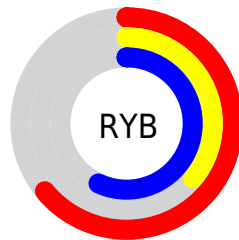
Distribution



Red (64%)

Green (36%)

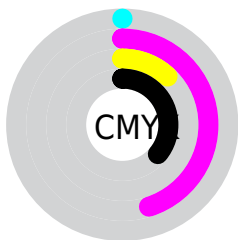
Blue (57%)



Red (64%)

Yellow (36%)

Blue (57%)

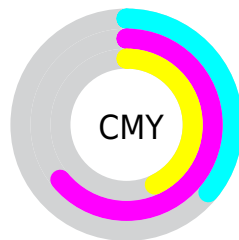


Cyan (0%)

Magenta (45%)

Yellow (12%)

Black (36%)



Cyan (36%)


Magenta (64%)


Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.1618, 17.4190, 28.8768 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 24.1618, 17.4190, 28.8768 by changing the saturation by 10% instead.


 24.1618, 17.4190,
28.8768


 24.1618, 17.4190,
28.8768

266.0628,
237.5755, 310.6759

 15.5791, 10.5337,
18.7429


 49.7469, 39.0448,
58.9211


 9.3157, 5.7542,
11.3097


 67.4799, 54.5540,
79.6686

 5.0065, 2.6962,
6.1588

 88.9938, 73.7067,
104.7910

 2.2858, 0.9753,
2.8715

 114.6538, 96.8873,
134.7069

 0.7874, 0.0000,
1.0294

144.8254,
124.4800, 169.8348

 0.0000, 0.0000,
0.0000

179.8738,

156.8694, 210.5932

220.1645,
194.4397, 257.4008

■ 24.1618, 17.4190,
28.8768

■ 24.1618, 17.4190,
28.8768

■ 22.5871, 14.7863,
26.7584

■ 26.0563, 20.6710,
31.1632

■ 21.3103, 12.7301,
24.7994

■ 28.2875, 24.5766,
33.6234

■ 20.3092, 11.2059,
22.9921

■ 30.8729, 29.1705,
36.2640

■ 19.5577, 10.1618,
21.3270

■ 33.8285, 34.4842,
39.0909

■ 19.0242, 9.5346,
19.7928

■ 37.1690, 40.5473,
42.1097

■ 18.7805, 9.2808,
18.9915

■ 40.9086, 47.3876,
45.3257

■ 45.0606, 55.0317,
48.7440

■ 49.6377, 63.5048,
52.3693

■ 54.6520, 72.8309,
56.2064

Harmonies

Analogous

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



21.2180, 17.4190, 41.4887



24.1618, 17.4190, 28.8768



24.9428, 17.4190, 16.9068

Triad

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



24.1618, 17.4190, 28.8768



15.8205, 17.4190, 4.8346



11.3115, 17.4190, 34.0627

Complementary

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



24.1618, 17.4190, 28.8768



20.4051, 29.9015, 19.4492

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.



10.2981, 17.4190, 21.1867



24.1618, 17.4190, 28.8768



12.6328, 17.4190, 6.5579

Square

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



24.1618, 17.4190, 28.8768



19.7281, 17.4190, 5.5596



10.7420, 17.4190, 11.6306



13.7440, 17.4190, 45.1986

Rectangle

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



24.1618, 17.4190, 28.8768



24.0420, 17.4190, 11.2219



10.7420, 17.4190, 11.6306



10.8121, 17.4190, 29.6417

Sweetspot

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



24.1623, 17.4198, 28.8772



56.6802, 54.0961, 66.4549



16.7802, 13.4305, 36.8304



12.1587, 11.4103, 14.2989



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



24.1623, 17.4198, 28.8772



41.1321, 27.0585, 48.7605



21.8254, 16.4850, 16.5712



7.2852, 7.1705, 8.4884



14.4200, 7.1240, 14.6680



0.3206, 0.1567, 0.4011

Inverse Universe

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



24.1623, 17.4198, 28.8772



41.1321, 27.0585, 48.7605



22.7594, 30.8432, 31.8468



7.2852, 7.1705, 8.4884



14.4200, 7.1240, 14.6680



0.3206, 0.1567, 0.4011

Previews

White Background



This preview shows how the XYZ color 24.1618, 17.4190, 28.8768 looks on a white background.

Color Contrast Check

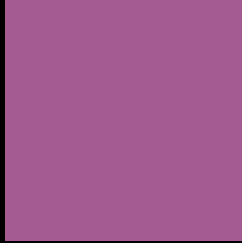
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.1618, 17.4190, 28.8768 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

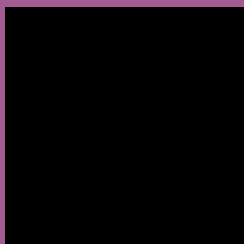
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.1618, 17.4190, 28.8768

Background



This preview shows how black text looks on a background with the XYZ color 24.1618, 17.4190, 28.8768.



This preview shows how white text looks on a background with the XYZ color 24.1618, 17.4190,

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

24.1618, 17.4190, 28.8768

Protanopia

18.1318, 17.6949, 36.6422

Deuteranopia

17.8953, 17.6026, 27.6538



Tritanopia

21.5606, 17.4379, 15.8651

Trichromacy



Original Color

24.1618, 17.4190, 28.8768

Protanomaly

19.6122, 17.0683, 33.7133

Deuteranomaly

19.7094, 17.2476, 27.8815

Tritanomaly

22.2710, 17.2989, 19.9345

Monochromacy



Original Color

24.1618, 17.4190, 28.8768

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

19.3566, 17.6467, 22.8080

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.1618, 17.4190, 28.8768 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(164, 91, 145)` looks like.

```
.text, #text, p{  
    color:rgb(164, 91, 145)  
}
```

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(164, 91, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 91, 145) }
```

Border

The CSS property to change the border of an element to XYZ 24.1618, 17.4190, 28.8768 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(164, 91, 145) }
```


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

```
.border{ border-color:rgb(164, 91, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 91, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(164, 91, 145); -webkit-box-shadow:4px 4px 4px 4px rgb(164, 91, 145); box-shadow:4px 4px 4px 4px rgb(164, 91, 145) }
```

Background

The CSS property to change the background color of an element to XYZ 24.1618, 17.4190, 28.8768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 91, 145) }
```

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

```
.background{ background-color: rgb(164, 91,  
145) }
```

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