

Converting Colors

XYZ(18.2448, 12.6844, 34.1086)

Have a look what the booklet for
XYZ(18.2448, 12.6844, 34.1086)
contains.

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Color

**XYZ(18.3425, 12.7773,
34.3004)**

Conversions

Conversions Part 1

Format	Color
Hex	834E9F
RGB	131, 78, 159
RGB Percent	51%, 31%, 62%
CMY	0.4863, 0.6941, 0.3765
CMYK	0.18, 0.51, 0.00, 0.38
HSL	279°, 34%, 46%
HSV	279°, 51%, 62%
XYZ	18.3425, 12.7773, 34.3004
YIQ	103.0810, 5.5870, 36.4270

Conversions

Conversions Part 2

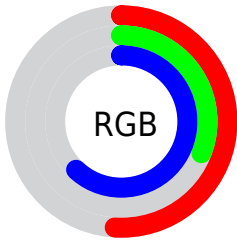
Format	Color
R_{YB}	131, 78, 159
Decimal	8605343
CIE _{Lab}	42.43, 37.11, -35.35
CIE _{LCh}	42, 51.250, 316.388
Yxy	12.7773, 0.2804, 0.1953
Android (android.graphics.Color)	4286795423 (0xFF834E9F)
YUV	103.0810, 27.5681, 24.4850
Hunter-Lab	35.7453, 29.0418, -31.8716

Details

The XYZ color **18.3425, 12.7773, 34.3004** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **19.7175, 28.4108, 11.6528**, and the grayscale version is **12.8423, 13.5112, 14.7136**.

A 20% lighter version of the original color is **40.2376, 30.9947, 67.4801**, and **6.3426, 3.6523, 14.2806** is the 20% darker color. If you saturate the color by 10%, you get **16.5177, 10.3578, 33.9298**, and if you desaturate by 10%, it is **20.4865, 15.7674, 34.7648**.

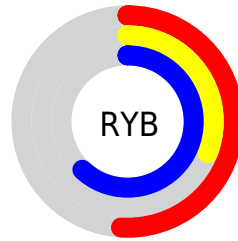
Distribution



Red (51%)

Green (31%)

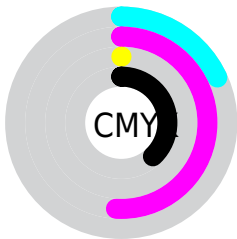
Blue (62%)



Red (51%)

Yellow (31%)

Blue (62%)

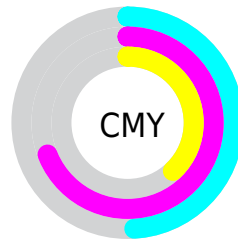


Cyan (18%)

Magenta (51%)

Yellow (0%)

Black (38%)



Cyan (49%)

Magenta (69%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3425, 12.7773, 34.3004 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 18.3425, 12.7773, 34.3004 by changing the saturation by 10% instead.

18.3425, 12.7773,
34.3004

18.3425, 12.7773,
34.3004

235.8029,
209.4854, 336.2794

11.2973, 7.2754,
22.8452

40.1456, 30.9031,
67.5398

6.3360, 3.6349,
14.2751

55.6343, 44.2958,
90.1611

3.0930, 1.4715,
8.1713

74.6681, 61.0875,
117.3415

1.2031, 0.2685,
4.1154

97.6125, 81.6626,
149.4996

0.1088, 0.0000,
1.6889

124.8329,
106.4056, 187.0539

0.0000, 0.0000,
0.3531

156.6945,

0.0000, 0.0000,

135.7008, 230.4229

0.0000

193.5627,
169.9326, 280.0252

■ 18.3425, 12.7773,
34.3004

■ 18.3425, 12.7773,
34.3004

■ 16.5177, 10.3578,
33.9298

■ 20.4865, 15.7674,
34.7648

■ 14.9900, 8.4668,
33.6453

■ 22.9671, 19.3628,
35.3280

■ 13.7364, 7.0591,
33.4397

■ 25.8017, 23.5975,
35.9960

■ 12.7293, 6.0805,
33.3038

■ 29.0064, 28.5023,
36.7738

■ 11.9714, 5.4486,
33.2218

■ 32.5960, 34.1059,
37.6662

■ 36.5845, 40.4354,
38.6777

■ 40.9852, 47.5166,
39.8126

■ 45.8108, 55.3737,
41.0748

■ 51.0732, 64.0301,
42.4683

Harmonies

Analogous

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



14.3588, 12.7773, 45.8450



18.3425, 12.7773, 34.3004



20.8699, 12.7773, 19.5319

Triad

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



18.3425, 12.7773, 34.3004



13.9743, 12.7773, 1.7973



6.3296, 12.7773, 20.8045

Complementary

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



18.3425, 12.7773, 34.3004



19.7175, 28.4108, 11.6528

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.



6.2696, 12.7773, 9.4894



18.3425, 12.7773, 34.3004



10.1703, 12.7773, 1.8662

Square

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



18.3425, 12.7773, 34.3004



18.0102, 12.7773, 3.5060



7.5283, 12.7773, 3.8043



7.7145, 12.7773, 35.6451

Rectangle

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



18.3425, 12.7773, 34.3004



21.1035, 12.7773, 11.6810



7.5283, 12.7773, 3.8043



6.1658, 12.7773, 16.4111

Sweetspot

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



18.3430, 12.7778, 34.3007



49.3716, 47.0787, 65.2284



14.5905, 14.5038, 34.8316



10.8749, 10.2226, 14.6436



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.



18.3430, 12.7778, 34.3007



29.2206, 18.0881, 60.6947



22.2775, 14.9220, 29.2485



6.6814, 6.6397, 8.3361



9.5015, 4.3272, 26.2417



0.2137, 0.1000, 0.4713

Inverse Universe

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



19.6243, 13.8608, 15.2771



32.1609, 20.4775, 21.3620



17.3923, 27.1570, 14.0321



6.7230, 6.6821, 7.3924



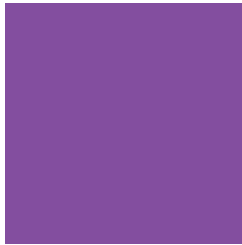
11.8551, 6.0466, 3.4882



0.2309, 0.1157, 0.1620

Previews

White Background



This preview shows how the XYZ color 18.3425, 12.7773, 34.3004 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 18.3425, 12.7773, 34.3004 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

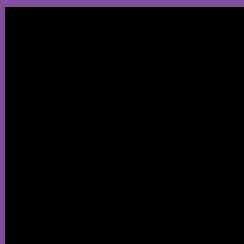
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.3425, 12.7773, 34.3004

Background



This preview shows how black text looks on a background with the XYZ color 18.3425, 12.7773, 34.3004.



This preview shows how white text looks on a background with the XYZ color 18.3425, 12.7773,

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

18.3425, 12.7773, 34.3004

Protanopia

14.4178, 12.9997, 43.3443

Deuteranopia

13.2212, 12.8974, 32.8030



Tritanopia

14.2406, 12.8864, 13.7933

Trichromacy



Original Color

18.3425, 12.7773, 34.3004

Protanomaly

15.0213, 12.4592, 39.6434

Deuteranomaly

14.4440, 12.4343, 33.0913

Tritanomaly

15.3984, 12.7199, 19.7328

Monochromacy



Original Color

18.3425, 12.7773, 34.3004

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

14.3879, 12.9462, 20.4794

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3425, 12.7773, 34.3004 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(131, 78, 159)` looks like.

```
.text, #text, p{  
  color:rgb(131, 78, 159)  
}
```

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(131, 78, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 78, 159) }
```

Border

The CSS property to change the border of an element to XYZ 18.3425, 12.7773, 34.3004 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(131, 78, 159) }
```


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

```
.border{ border-color:rgb(131, 78, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 78, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 78, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 78, 159);  
box-shadow:4px 4px 4px 4px rgb(131, 78,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3425, 12.7773, 34.3004 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 78, 159) }
```

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

```
.background{ background-color: rgb(131, 78,  
159) }
```

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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