

Converting Colors

XYZ(19.7078, 14.8352, 41.6661)

Have a look what the booklet for
XYZ(19.7078, 14.8352, 41.6661)
contains.

XYZ(19.6932, 14.8232, 41.8676)	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(19.6932, 14.8232,
41.8676)**

Conversions

Conversions Part 1

Format	Color
Hex	7C5BAE
RGB	124, 91, 174
RGB Percent	49%, 36%, 68%
CMY	0.5137, 0.6431, 0.3176
CMYK	0.29, 0.48, 0.00, 0.32
HSL	264°, 34%, 52%
HSV	264°, 48%, 68%
XYZ	19.6932, 14.8232, 41.8676
YIQ	110.3290, -6.9750, 32.8090

Conversions

Conversions Part 2

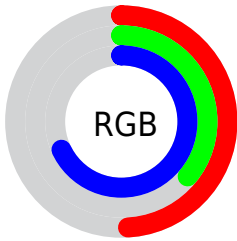
Format	Color
R_{YB}	124, 91, 174
Decimal	8149934
CIE _{Lab}	45.39, 31.25, -39.59
CIE _{LCh}	45, 50.436, 308.286
Yxy	14.8232, 0.2578, 0.1941
Android (android.graphics.Color)	4286340014 (0xFF7C5BAE)
YUV	110.3290, 31.3898, 11.9895
Hunter-Lab	38.5009, 23.9261, -37.5239

Details

The XYZ color **19.6932, 14.8232, 41.8676** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **28.0091, 36.6904, 15.5037**, and the grayscale version is **14.8300, 15.6023, 16.9909**.

A 20% lighter version of the original color is **42.5463, 34.6429, 79.3072**, and **7.0244, 4.5596, 18.5990** is the 20% darker color. If you saturate the color by 10%, you get **16.9395, 11.4459, 41.3611**, and if you desaturate by 10%, it is **22.9539, 18.9743, 42.4973**.

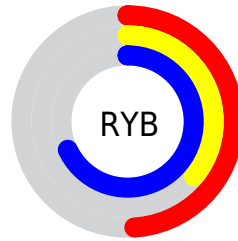
Distribution



Red (49%)

Green (36%)

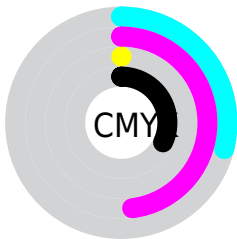
Blue (68%)



Red (49%)

Yellow (36%)

Blue (68%)

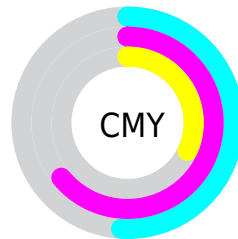


Cyan (29%)

Magenta (48%)

Yellow (0%)

Black (32%)



Cyan (51%)

Magenta (64%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.6932, 14.8232, 41.8676 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 19.6932, 14.8232, 41.8676 by changing the saturation by 10% instead.

■ 19.6932, 14.8232,
41.8676

■ 19.6932, 14.8232,
41.8676

243.1147,
222.2936, 369.7173

■ 12.2792, 8.6954,
28.6728

■ 42.4101, 34.5427,
79.2671

■ 7.0077, 4.5430,
18.5900

■ 58.4437, 48.9032,
104.3090

■ 3.5133, 1.9817,
11.2006

■ 78.0812, 66.7768,
134.1369

■ 1.4306, 0.5968,
6.0861

■ 101.6879, 88.5477,
169.1695

■ 0.2779, 0.0000,
2.8279

129.6293,
114.6005, 209.8253

■ 0.0000, 0.0000,
1.0074

162.2707,

■ 0.0000, 0.0000,

145.3194, 256.5229

0.0000

199.9773,
181.0890, 309.6806

■ 19.6932, 14.8232,
41.8676

■ 19.6932, 14.8232,
41.8676

■ 16.9395, 11.4459,
41.3611

■ 22.9539, 18.9743,
42.4973

■ 14.6619, 8.7898,
40.9685

■ 26.7466, 23.9438,
43.2566

■ 12.8285, 6.7982,
40.6807

■ 31.0965, 29.7746,
44.1528

■ 11.4018, 5.4044,
40.4869

■ 36.0266, 36.5063,
45.1923

■ 10.3257, 4.5050,
40.3700

■ 41.5585, 44.1758,
46.3811

■ 10.1072, 4.3279,
40.3473

■ 47.7127, 52.8180,
47.7248

■ 54.5088, 62.4661,
49.2289

■ 61.9653, 73.1515,
50.8984

■ 70.1001, 84.9042,
52.7381

Harmonies

Analogous

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



15.2823, 14.8232, 51.4288



19.6932, 14.8232, 41.8676



22.9771, 14.8232, 26.2691

Triad

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



19.6932, 14.8232, 41.8676



17.2846, 14.8232, 2.7938



7.5261, 14.8232, 19.6987

Complementary

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



19.6932, 14.8232, 41.8676



28.0091, 36.6904, 15.5037

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.



7.8516, 14.8232, 9.0204



19.6932, 14.8232, 41.8676



12.9595, 14.8232, 2.3822

Square

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



19.6932, 14.8232, 41.8676



21.4056, 14.8232, 5.6498



9.6638, 14.8232, 3.9590



8.6644, 14.8232, 35.0711

Rectangle

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



19.6932, 14.8232, 41.8676



23.7731, 14.8232, 16.8397



9.6638, 14.8232, 3.9590



7.4732, 14.8232, 15.4598

Sweetspot

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



19.6938, 14.8238, 41.8679



59.3720, 58.0352, 80.7095



21.6551, 24.6812, 43.6672



12.7876, 12.3437, 17.8529



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



19.6938, 14.8238, 41.8679



30.5860, 20.5935, 74.9998



26.7567, 18.4648, 42.1985



7.8690, 7.9068, 10.0641



7.3939, 3.1716, 29.2670



0.2684, 0.1205, 0.8171

Inverse Universe

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



26.0047, 18.4043, 27.3812



43.7807, 28.0968, 43.9394



22.3562, 33.7762, 15.2391



8.2002, 8.0933, 9.3649



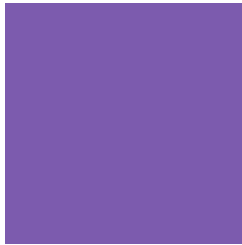
14.5331, 7.2758, 10.4527



0.4303, 0.2128, 0.4277

Previews

White Background



This preview shows how the XYZ color 19.6932, 14.8232, 41.8676 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 19.6932, 14.8232, 41.8676 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

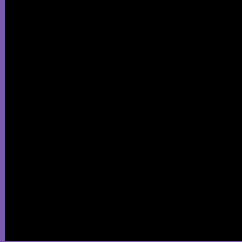
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.6932, 14.8232, 41.8676

Background



This preview shows how black text looks on a background with the XYZ color 19.6932, 14.8232, 41.8676.



This preview shows how white text looks on a background with the XYZ color 19.6932, 14.8232,

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

19.6932, 14.8232, 41.8676

Protanopia

16.6197, 15.0306, 49.0389

Deuteranopia

15.3857, 15.0431, 40.6208



Tritanopia

14.8423, 14.8061, 17.6984

Trichromacy



Original Color

19.6932, 14.8232, 41.8676

Protanomaly

17.2171, 14.6654, 46.1792

Deuteranomaly

16.5121, 14.7054, 40.9979

Tritanomaly

16.2665, 14.6455, 24.8912

Monochromacy



Original Color

19.6932, 14.8232, 41.8676

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

16.1541, 15.0388, 24.2417

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6932, 14.8232, 41.8676 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(124, 91, 174)` looks like.

```
.text, #text, p{  
    color:rgb(124, 91, 174)  
}
```

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(124, 91, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 91, 174) }
```

Border

The CSS property to change the border of an element to XYZ 19.6932, 14.8232, 41.8676 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(124, 91, 174) }
```


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

```
.border{ border-color:rgb(124, 91, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 91, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(124, 91, 174); -webkit-box-shadow:4px 4px 4px 4px rgb(124, 91, 174); box-shadow:4px 4px 4px 4px rgb(124, 91, 174) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6932, 14.8232, 41.8676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 91, 174) }
```

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

```
.background{ background-color: rgb(124, 91,  
174) }
```

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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