

Converting Colors

XYZ(19.8360, 13.5910, 40.6766)

Have a look what the booklet for
XYZ(19.8360, 13.5910, 40.6766)
contains.

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Color

**XYZ(19.8308, 13.6214,
40.6137)**

Conversions

Conversions Part 1

Format	Color
Hex	8450AC
RGB	132, 80, 172
RGB Percent	52%, 31%, 67%
CMY	0.4823, 0.6863, 0.3255
CMYK	0.23, 0.53, 0.00, 0.33
HSL	274°, 37%, 49%
HSV	274°, 53%, 67%
XYZ	19.8308, 13.6214, 40.6137
YIQ	106.0360, 1.4600, 39.6360

Conversions

Conversions Part 2

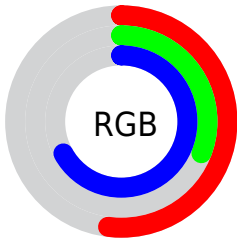
Format	Color
R_{YB}	132, 80, 172
Decimal	8671404
CIE _{Lab}	43.69, 39.29, -41.06
CIE _{LCh}	44, 56.833, 313.737
Yxy	13.6214, 0.2677, 0.1839
Android (android.graphics.Color)	4286861484 (0xFF8450AC)
YUV	106.0360, 32.5203, 22.7704
Hunter-Lab	36.9072, 31.3232, -39.4094

Details

The XYZ color **19.8308, 13.6214, 40.6137** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **23.9464, 34.0775, 12.9053**, and the grayscale version is **13.6234, 14.3329, 15.6085**.

A 20% lighter version of the original color is **42.6134, 32.3988, 77.4064**, and **7.0442, 3.9741, 17.8486** is the 20% darker color. If you saturate the color by 10%, you get **17.6012, 10.8360, 40.1938**, and if you desaturate by 10%, it is **22.4677, 17.0958, 41.1456**.

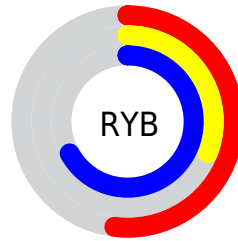
Distribution



Red (52%)

Green (31%)

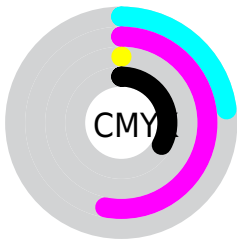
Blue (67%)



Red (52%)

Yellow (31%)

Blue (67%)

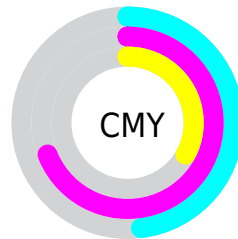


Cyan (23%)

Magenta (53%)

Yellow (0%)

Black (33%)



Cyan (48%)

Magenta (69%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.8308, 13.6214, 40.6137 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 19.8308, 13.6214, 40.6137 by changing the saturation by 10% instead.

■ 19.8308, 13.6214,
40.6137

■ 19.8308, 13.6214,
40.6137

243.8487,
214.8626, 364.3322

■ 12.3797, 7.8578,
27.6999

■ 42.6394, 32.4157,
77.3444

■ 7.0768, 4.0041,
17.8625

■ 58.7276, 46.2153,
101.9985

■ 3.5570, 1.6759,
10.6829

■ 78.4256, 63.4623,
131.4030

■ 1.4547, 0.4080,
5.7426

■ 102.0986, 84.5411,
165.9766

■ 0.2947, 0.0000,
2.6229

■ 130.1121,
109.8361, 206.1378

■ 0.0000, 0.0000,
0.9043

162.8314,

■ 0.0000, 0.0000,

139.7318, 252.3051

0.0000

200.6218,
174.6125, 304.8970

■ 19.8308, 13.6214,
40.6137

■ 19.8308, 13.6214,
40.6137

■ 17.6012, 10.8360,
40.1938

■ 22.4677, 17.0958,
41.1456

■ 15.7503, 8.6867,
39.8765

■ 25.5344, 21.3034,
41.7961

■ 14.2481, 7.1156,
39.6524

■ 29.0535, 26.2864,
42.5724

■ 13.0581, 6.0526,
39.5100

■ 33.0456, 32.0834,
43.4810

■ 12.3996, 5.5320,
39.4442

■ 37.5297, 38.7304,
44.5276

■ 42.5237, 46.2611,
45.7180

■ 48.0449, 54.7073,
47.0573

■ 54.1093, 64.0994,
48.5505

■ 60.7325, 74.4661,
50.2024

Harmonies

Analogous

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



15.0930, 13.6214, 53.7985



19.8308, 13.6214, 40.6137



23.0541, 13.6214, 22.8326

Triad

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



19.8308, 13.6214, 40.6137



15.5014, 13.6214, 1.5380



6.2725, 13.6214, 21.4653

Complementary

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



19.8308, 13.6214, 40.6137



23.9464, 34.0775, 12.9053

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.



6.3331, 13.6214, 8.9590



19.8308, 13.6214, 40.6137



11.0143, 13.6214, 1.4769

Square

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



19.8308, 13.6214, 40.6137



20.1884, 13.6214, 3.5037



7.8746, 13.6214, 3.2190



7.6841, 13.6214, 39.1323

Rectangle

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



19.8308, 13.6214, 40.6137



23.5350, 13.6214, 13.2869



7.8746, 13.6214, 3.2190



6.1334, 13.6214, 16.4912

Sweetspot

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



19.8313, 13.6219, 40.6140



57.8334, 55.1070, 78.3943



17.6411, 18.4567, 41.6626



12.2525, 11.5158, 16.9647



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



19.8313, 13.6219, 40.6140



31.3274, 18.9336, 72.8092



26.8943, 17.3132, 38.6779



7.9957, 7.9721, 10.0700



9.2912, 4.1496, 29.3558



0.3197, 0.1470, 0.8195

Inverse Universe

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



23.2724, 15.8644, 19.6049



38.7659, 23.7541, 28.6175



19.6850, 31.8603, 13.6238



8.1444, 8.0710, 9.0713



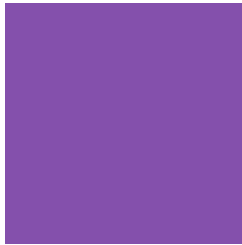
13.6267, 6.9132, 5.6799



0.4069, 0.2034, 0.3044

Previews

White Background



This preview shows how the XYZ color 19.8308, 13.6214, 40.6137 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 19.8308, 13.6214, 40.6137 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

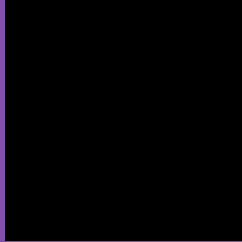
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.8308, 13.6214, 40.6137

Background



This preview shows how black text looks on a background with the XYZ color 19.8308, 13.6214, 40.6137.



This preview shows how white text looks on a background with the XYZ color 19.8308, 13.6214,

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

19.8308, 13.6214, 40.6137

Protanopia

15.7990, 13.9539, 51.7298

Deuteranopia

14.1721, 13.8489, 38.4854



Tritanopia

14.7097, 13.6343, 15.2210

Trichromacy



Original Color

19.8308, 13.6214, 40.6137

Protanomaly

16.3275, 13.2163, 47.5894

Deuteranomaly

15.4701, 13.2226, 39.2730

Tritanomaly

16.1610, 13.4271, 22.5088

Monochromacy



Original Color

19.8308, 13.6214, 40.6137

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

15.3742, 13.8059, 22.9736

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.8308, 13.6214, 40.6137 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(132, 80, 172)` looks like.

```
.text, #text, p{  
    color:rgb(132, 80, 172)  
}
```

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(132, 80, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 80, 172) }
```

Border

The CSS property to change the border of an element to XYZ 19.8308, 13.6214, 40.6137 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(132, 80, 172) }
```


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

```
.border{ border-color:rgb(132, 80, 172) }
```

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

Here you see how a box with a 4 pixel rgb(132, 80, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 80, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 80, 172);  
box-shadow:4px 4px 4px 4px rgb(132, 80,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 19.8308, 13.6214, 40.6137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 80, 172) }
```

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

```
.background{ background-color: rgb(132, 80,  
172) }
```

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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