

Converting Colors

XYZ(19.2510, 13.6780, 39.6557)

Have a look what the booklet for
XYZ(19.2510, 13.6780, 39.6557)
contains.

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Color

**XYZ(19.2510, 13.6780,
39.6557)**

Conversions

Conversions Part 1

Format	Color
Hex	8053AA
RGB	128, 83, 170
RGB Percent	50%, 33%, 67%
CMY	0.4980, 0.6745, 0.3333
CMYK	0.25, 0.51, 0.00, 0.33
HSL	271°, 34%, 50%
HSV	271°, 51%, 67%
XYZ	19.2510, 13.6780, 39.6557
YIQ	106.3730, -1.1070, 36.5970

Conversions

Conversions Part 2

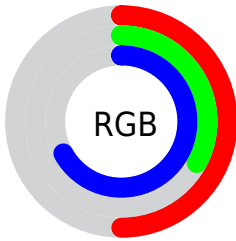
Format	Color
R_{YB}	128, 83, 170
Decimal	8410026
CIE _{Lab}	43.77, 36.02, -39.78
CIE _{LCh}	44, 53.662, 312.157
Yxy	13.6780, 0.2652, 0.1884
Android (android.graphics.Color)	4286600106 (0xFF8053AA)
YUV	106.3730, 31.3681, 18.9669
Hunter-Lab	36.9838, 28.1922, -37.6848

Details

The XYZ color **19.2510, 13.6780, 39.6557** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **24.3939, 33.7343, 13.4098**, and the grayscale version is **13.7192, 14.4336, 15.7182**.

A 20% lighter version of the original color is **41.7810, 32.6085, 76.0435**, and **6.7924, 4.0229, 17.2481** is the 20% darker color. If you saturate the color by 10%, you get **16.9214, 10.7774, 39.2189**, and if you desaturate by 10%, it is **22.0004, 17.2689, 40.2041**.

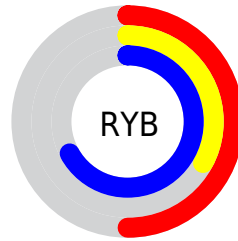
Distribution



Red (50%)

Green (33%)

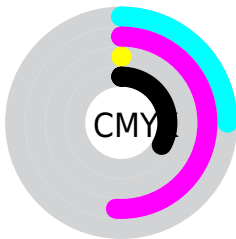
Blue (67%)



Red (50%)

Yellow (33%)

Blue (67%)

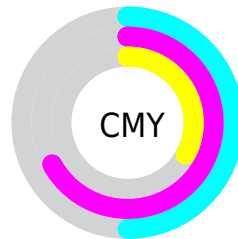


Cyan (25%)

Magenta (51%)

Yellow (0%)

Black (33%)



Cyan (50%)

Magenta (67%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.2510, 13.6780, 39.6557 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 19.2510, 13.6780, 39.6557 by changing the saturation by 10% instead.

■ 19.2510, 13.6780,
39.6557

■ 19.2510, 13.6780,
39.6557

240.7425,
215.2183, 360.1791

■ 11.9569, 7.8971,
26.9585

■ 41.6714, 32.5166,
75.8703

■ 6.7863, 4.0291,
17.3099

■ 57.5284, 46.3430,
100.2247

■ 3.3740, 1.6899,
10.2914

■ 76.9704, 63.6201,
129.3019

■ 1.3545, 0.4171,
5.4844

■ 100.3627, 84.7321,
163.5205

■ 0.2234, 0.0000,
2.4705

■ 128.0707,
110.0636, 203.2990

■ 0.0000, 0.0000,
0.8245

160.4598,

■ 0.0000, 0.0000,

139.9988, 249.0559

0.0000

197.8953,

174.9223, 301.2097

■ 19.2510, 13.6780,
39.6557

■ 19.2510, 13.6780,
39.6557

■ 16.9214, 10.7774,
39.2189

■ 22.0004, 17.2689,
40.2041

■ 14.9839, 8.5169,
38.8846

■ 25.1917, 21.5923,
40.8704

■ 13.4096, 6.8416,
38.6443

■ 28.8469, 26.6889,
41.6615

■ 12.1640, 5.6862,
38.4869

■ 32.9864, 32.5958,
42.5835

■ 11.2738, 4.9737,
38.3963

■ 37.6289, 39.3476,
43.6421

■ 42.7922, 46.9771,
44.8426

■ 48.4933, 55.5151,
46.1901

■ 54.7482, 64.9909,
47.6894

■ 61.5724, 75.4325,
49.3452

Harmonies

Analogous

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



14.7876, 13.6780, 51.1816



19.2510, 13.6780, 39.6557



22.3686, 13.6780, 23.2200

Triad

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



19.2510, 13.6780, 39.6557



15.6520, 13.6780, 1.9100



6.5661, 13.6780, 20.3500

Complementary

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



19.2510, 13.6780, 39.6557



24.3939, 33.7343, 13.4098

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.



6.6992, 13.6780, 8.8410



19.2510, 13.6780, 39.6557



11.3636, 13.6780, 1.7621

Square

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



19.2510, 13.6780, 39.6557



20.0007, 13.6780, 4.0992



8.2747, 13.6780, 3.4468



7.8602, 13.6780, 36.6028

Rectangle

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



19.2510, 13.6780, 39.6557



22.9259, 13.6780, 14.0342



8.2747, 13.6780, 3.4468



6.4548, 13.6780, 15.7862

Sweetspot

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



19.2515, 13.6785, 39.6560



56.6644, 54.5685, 76.5481



18.1634, 19.4217, 40.8219



12.2939, 11.6805, 16.9943



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.



19.2515, 13.6785, 39.6560



30.3453, 19.1249, 71.0940



26.7904, 17.5807, 39.2967



7.4880, 7.4842, 9.4683



8.3578, 3.6920, 28.2476



0.2620, 0.1201, 0.6900

Inverse Universe

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



23.3729, 16.2137, 21.3002



39.1033, 24.5072, 32.3118



19.5604, 31.2360, 13.4790



7.6763, 7.6004, 8.6127



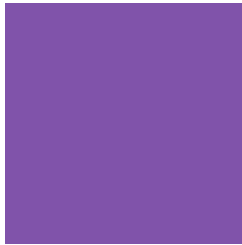
13.3449, 6.7467, 6.6276



0.3507, 0.1745, 0.2980

Previews

White Background



This preview shows how the XYZ color 19.2510, 13.6780, 39.6557 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 19.2510, 13.6780, 39.6557 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 19.2510, 13.6780, 39.6557

Background



This preview shows how black text looks on a background with the XYZ color 19.2510, 13.6780, 39.6557.



This preview shows how white text looks on a background with the XYZ color 19.2510, 13.6780,

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

19.2510, 13.6780, 39.6557

Protanopia

15.6099, 13.9194, 48.8777

Deuteranopia

14.2171, 13.8827, 38.0067



Tritanopia

14.3995, 13.7462, 15.5300

Trichromacy



Original Color

19.2510, 13.6780, 39.6557

Protanomaly

16.1809, 13.3200, 45.4343

Deuteranomaly

15.3744, 13.3294, 38.3217

Tritanomaly

15.7620, 13.4786, 22.5398

Monochromacy



Original Color

19.2510, 13.6780, 39.6557

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

15.2696, 13.8978, 22.6466

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.2510, 13.6780, 39.6557 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(128, 83, 170)` looks like.

```
.text, #text, p{  
  color:rgb(128, 83, 170)  
}
```

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(128, 83, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 83, 170) }
```

Border

The CSS property to change the border of an element to XYZ 19.2510, 13.6780, 39.6557 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(128, 83, 170) }
```


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

```
.border{ border-color:rgb(128, 83, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 83, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(128, 83, 170); -webkit-box-shadow:4px 4px 4px 4px rgb(128, 83, 170); box-shadow:4px 4px 4px 4px rgb(128, 83, 170) }
```

Background

The CSS property to change the background color of an element to XYZ 19.2510, 13.6780, 39.6557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 83, 170) }
```

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

```
.background{ background-color: rgb(128, 83,  
170) }
```

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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