

Converting Colors

XYZ(20.6082, 11.9947, 52.1503)

Have a look what the booklet for
XYZ(20.6082, 11.9947, 52.1503)
contains.

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Color

**XYZ(20.6123, 11.9784,
52.2646)**

Conversions

Conversions Part 1

Format	Color
Hex	823DC2
RGB	130, 61, 194
RGB Percent	51%, 24%, 76%
CMY	0.4902, 0.7608, 0.2392
CMYK	0.33, 0.69, 0.00, 0.24
HSL	271°, 52%, 50%
HSV	271°, 69%, 76%
XYZ	20.6123, 11.9784, 52.2646
YIQ	96.7930, -1.5690, 55.9910

Conversions

Conversions Part 2

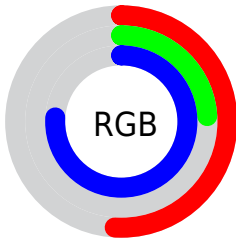
Format	Color
R_{YB}	130, 61, 194
Decimal	8535490
CIE _{Lab}	41.18, 53.93, -58.01
CIE _{LCh}	41, 79.201, 312.913
Yxy	11.9784, 0.2429, 0.1412
Android (android.graphics.Color)	4286725570 (0xFF823DC2)
YUV	96.7930, 47.9231, 29.1225
Hunter-Lab	34.6098, 45.7406, -65.3075

Details

The XYZ color **20.6123, 11.9784, 52.2646** is a dark color, and the websafe version is hex **9933CC**. The color can be described as dark muted purple. A complement of this color would be **28.5916, 43.2806, 11.2622**, and the grayscale version is **11.1988, 11.7820, 12.8306**.

A 20% lighter version of the original color is **43.8112, 29.3401, 94.6209**, and **7.4842, 3.3199, 24.6724** is the 20% darker color. If you saturate the color by 10%, you get **18.3903, 9.5639, 51.9159**, and if you desaturate by 10%, it is **23.3398, 15.2095, 52.7448**.

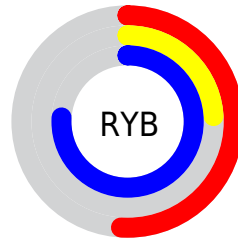
Distribution



Red (51%)

Green (24%)

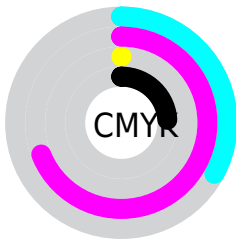
Blue (76%)



Red (51%)

Yellow (24%)

Blue (76%)

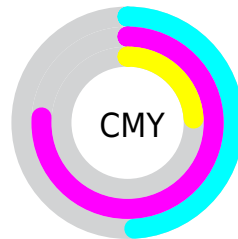


Cyan (33%)

Magenta (69%)

Yellow (0%)

Black (24%)



Cyan (49%)

Magenta (76%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.6123, 11.9784, 52.2646 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 20.6123, 11.9784, 52.2646 by changing the saturation by 10% instead.

■ 20.6123, 11.9784,
52.2646

■ 20.6123, 11.9784,
52.2646

247.9817,
204.2622, 412.4432

■ 12.9517, 6.7290,
36.8323

■ 43.9376, 29.4558,
94.9519

■ 7.4721, 3.2932,
24.7829

■ 60.3330, 42.4525,
123.0440

■ 3.8080, 1.2866,
15.6979

■ 80.3707, 58.8004,
156.1932

■ 1.5941, 0.1308,
9.1586

■ 104.4161, 78.8840,
194.8179

■ 0.3886, 0.0000,
4.7465

■ 132.8346,
103.0875, 239.3367

■ 0.0000, 0.0000,
2.0432

165.9914,

■ 0.0000, 0.0000,

131.7955, 290.1682

0.5817

204.2520,
165.3923, 347.7308

■ 0.0000, 0.0000,
0.0000

■ 20.6123, 11.9784,
52.2646

■ 20.6123, 11.9784,
52.2646

■ 18.3903, 9.5639,
51.9159

■ 23.3398, 15.2095,
52.7448

■ 16.6259, 7.8778,
51.6834

■ 26.6107, 19.3303,
53.3678

■ 15.2473, 6.7805,
51.5443

■ 30.4607, 24.4068,
54.1447

■ 15.0653, 6.6416,
51.5271

■ 34.9218, 30.4982,
55.0853

■ 40.0232, 37.6589,
56.1986

■ 45.7923, 45.9393,
57.4928

■ 52.2549, 55.3864,
58.9757

■ 59.4351, 66.0447,
60.6545

■ 67.3558, 77.9562,
62.5362

Harmonies

Analogous

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



14.0180, 11.9784, 73.9321



20.6123, 11.9784, 52.2646



25.4282, 11.9784, 24.6299

Triad

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



20.6123, 11.9784, 52.2646



14.9241, 11.9784, 0.0000



3.6881, 11.9784, 21.4029

Complementary

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



20.6123, 11.9784, 52.2646



28.5916, 43.2806, 11.2622

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.



3.7866, 11.9784, 5.8151



20.6123, 11.9784, 52.2646



9.1044, 11.9784, 0.0000

Square

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



20.6123, 11.9784, 52.2646



21.4636, 11.9784, 1.2126



5.4280, 11.9784, 0.9087



5.0902, 11.9784, 48.2852

Rectangle

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



20.6123, 11.9784, 52.2646



26.2403, 11.9784, 11.5096



5.4280, 11.9784, 0.9087



3.5653, 11.9784, 14.7057

Sweetspot

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



20.6129, 11.9788, 52.2649



69.8255, 64.4255, 101.2250



19.0319, 19.6266, 53.8244



14.7149, 13.2982, 22.0412



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



20.6129, 11.9788, 52.2649



31.7040, 15.7241, 93.8339



33.4076, 18.6033, 51.5737



10.0156, 9.9992, 12.6870



10.0002, 4.4157, 33.8819



0.5114, 0.2317, 1.4676

Inverse Universe

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



27.6187, 16.2877, 21.0900



46.3782, 24.7361, 29.1391



22.1198, 39.9372, 11.2776



10.2705, 10.1568, 11.5152



15.9778, 8.0809, 7.7951



0.7252, 0.3631, 0.5202

Previews

White Background



This preview shows how the XYZ color 20.6123, 11.9784, 52.2646 looks on a white background.

Color Contrast Check

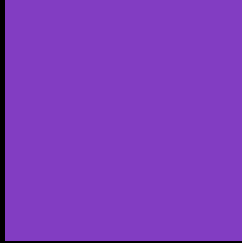
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.6123, 11.9784, 52.2646 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

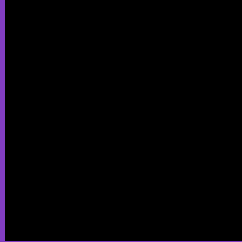
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

XYZ 20.6123, 11.9784, 52.2646

Background



This preview shows how black text looks on a background with the XYZ color 20.6123, 11.9784, 52.2646.



This preview shows how white text looks on a background with the XYZ color 20.6123, 11.9784,

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

20.6123, 11.9784, 52.2646

Protanopia

14.3115, 12.1289, 55.6196

Deuteranopia

12.1972, 12.1703, 41.7506



Tritanopia

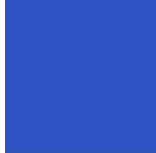
12.7614, 11.9999, 13.4480

Trichromacy



Original Color

20.6123, 11.9784, 52.2646



Protanomaly

14.2676, 10.6701, 54.1309



Deuteranomaly

12.8406, 10.5961, 45.0845



Tritanomaly

14.8533, 11.5280, 23.9965

Monochromacy



Original Color

20.6123, 11.9784, 52.2646



Achromatopsia

11.3621, 11.9538, 13.0177



Achromatomaly

13.6419, 11.2578, 23.2838

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.6123, 11.9784, 52.2646 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(130, 61, 194)` looks like.

```
.text, #text, p{  
    color:rgb(130, 61, 194)  
}
```

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(130, 61, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 61, 194) }
```

Border

The CSS property to change the border of an element to XYZ 20.6123, 11.9784, 52.2646 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(130, 61, 194) }
```


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

```
.border{ border-color:rgb(130, 61, 194) }
```

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

Here you see how a box with a 4 pixel rgb(130, 61, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 61, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 61, 194);  
box-shadow:4px 4px 4px 4px rgb(130, 61,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 20.6123, 11.9784, 52.2646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 61, 194) }
```

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

```
.background{ background-color: rgb(130, 61,  
194) }
```

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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