

Converting Colors

XYZ(19.0426, 10.6143, 46.3936)

Have a look what the booklet for
XYZ(19.0426, 10.6143, 46.3936)
contains.

XYZ(19.0856, 10.6625, 46.3995)	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(19.0856, 10.6625,
46.3995)**

Conversions

Conversions Part 1

Format	Color
Hex	8234B8
RGB	130, 52, 184
RGB Percent	51%, 20%, 72%
CMY	0.4902, 0.7961, 0.2784
CMYK	0.29, 0.72, 0.00, 0.28
HSL	275°, 56%, 46%
HSV	275°, 72%, 72%
XYZ	19.0856, 10.6625, 46.3995
YIQ	90.3700, 4.1160, 57.5880

Conversions

Conversions Part 2

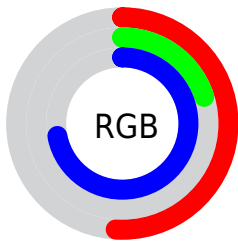
Format	Color
R_{YB}	130, 52, 184
Decimal	8533176
CIE _{Lab}	39.01, 55.70, -55.67
CIE _{LCh}	39, 78.745, 315.016
Yxy	10.6625, 0.2506, 0.1400
Android (android.graphics.Color)	4286723256 (0xFF8234B8)
YUV	90.3700, 46.1596, 34.7555
Hunter-Lab	32.6535, 47.1877, -61.3917

Details

The XYZ color **19.0856, 10.6625, 46.3995** is a dark color, and the websafe version is hex **9933CC**. A complement of this color would be **23.7043, 37.5932, 9.2559**, and the grayscale version is **9.7006, 10.2058, 11.1141**.

A 20% lighter version of the original color is **41.4223, 27.0188, 86.2510**, and **6.8533, 3.0676, 21.3500** is the 20% darker color. If you saturate the color by 10%, you get **17.3060, 8.7545, 46.1252**, and if you desaturate by 10%, it is **21.2707, 13.2547, 46.7849**.

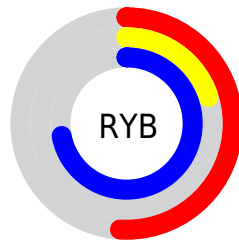
Distribution



Red (51%)

Green (20%)

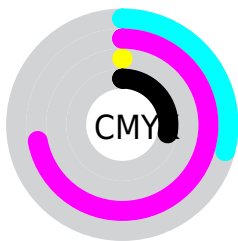
Blue (72%)



Red (51%)

Yellow (20%)

Blue (72%)

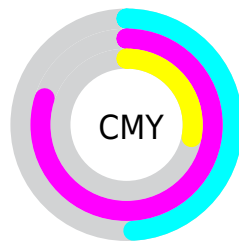


Cyan (29%)

Magenta (72%)

Yellow (0%)

Black (28%)



Cyan (49%)

Magenta (80%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.0856, 10.6625, 46.3995 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 19.0856, 10.6625, 46.3995 by changing the saturation by 10% instead.

19.0856, 10.6625,
46.3995

19.0856, 10.6625,
46.3995

239.8500,
195.3372, 388.7366

11.8365, 5.8404,
32.2103

41.3944, 27.0344,
86.1571

6.7039, 2.7483,
21.2560

57.1849, 39.3529,
112.5626

3.3223, 1.0018,
13.1182

76.5532, 54.9390,
143.8772

1.3264, 0.0000,
7.3783

99.8648, 74.1771,
180.5196

0.2028, 0.0000,
3.6178

127.4848, 97.4516,
222.9081

0.0000, 0.0000,
1.4181

159.7788,

0.0000, 0.0000,

125.1468, 271.4614

0.1558

197.1121,
157.6472, 326.5981

■ 0.0000, 0.0000,
0.0000

■ 19.0856, 10.6625,
46.3995

■ 19.0856, 10.6625,
46.3995

■ 17.3060, 8.7545,
46.1252

■ 21.2707, 13.2547,
46.7849

■ 15.8888, 7.4494,
45.9480

■ 23.8947, 16.5975,
47.2918

■ 14.9251, 6.6948,
45.8531

■ 26.9890, 20.7502,
47.9303

■ 30.5812, 25.7659,
48.7091

■ 34.6968, 31.6931,
49.6362

■ 39.3593, 38.5764,
50.7191

■ 44.5908, 46.4577,
51.9646

■ 50.4118, 55.3762,
53.3792

■ 56.8421, 65.3689,
54.9691

Harmonies

Analogous

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



12.9821, 10.6625, 67.9287



19.0856, 10.6625, 46.3995



23.3528, 10.6625, 20.8067

Triad

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



19.0856, 10.6625, 46.3995



12.9757, 10.6625, 0.0000



3.1756, 10.6625, 20.8295

Complementary

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



19.0856, 10.6625, 46.3995



23.7043, 37.5932, 9.2559

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.



3.1749, 10.6625, 5.6229



19.0856, 10.6625, 46.3995



7.7369, 10.6625, 0.0000

Square

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



19.0856, 10.6625, 46.3995



19.0796, 10.6625, 0.8079



4.5387, 10.6625, 0.8100



4.5410, 10.6625, 46.4280

Rectangle

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



19.0856, 10.6625, 46.3995



23.8884, 10.6625, 9.2603



4.5387, 10.6625, 0.8100



3.0364, 10.6625, 14.3261

Sweetspot

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



19.0861, 10.6629, 46.3998



62.3983, 56.7248, 89.8648



15.3259, 14.7065, 47.3784



13.0034, 11.5777, 19.2710



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



19.0861, 10.6629, 46.3998



29.8320, 14.3977, 83.4113



28.5382, 15.6637, 41.0547



9.0160, 8.9746, 11.3365



10.3681, 4.6561, 31.6053



0.4338, 0.1994, 1.1174

Inverse Universe

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



23.5969, 13.6872, 15.0340



39.6562, 20.8971, 19.0478



19.4541, 35.3701, 10.5047



9.1528, 9.0715, 10.1522



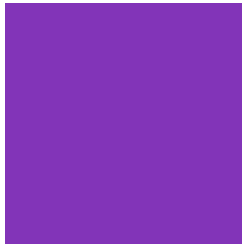
14.5384, 7.3891, 5.4559



0.5434, 0.2729, 0.3552

Previews

White Background



This preview shows how the XYZ color 19.0856, 10.6625, 46.3995 looks on a white background.

Color Contrast Check

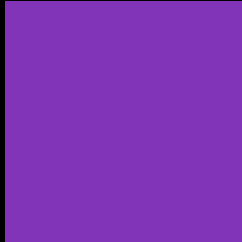
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.0856, 10.6625, 46.3995 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

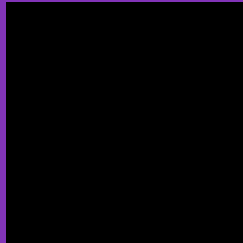
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.0856, 10.6625, 46.3995

Background



This preview shows how black text looks on a background with the XYZ color 19.0856, 10.6625, 46.3995.



This preview shows how white text looks on a background with the XYZ color 19.0856, 10.6625,

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

19.0856, 10.6625, 46.3995

Protanopia

12.6495, 10.7756, 48.9902

Deuteranopia

10.7942, 10.7220, 37.0979



Tritanopia

11.9981, 10.6734, 11.3253

Trichromacy



Original Color

19.0856, 10.6625, 46.3995

Protanomaly

12.7264, 9.3611, 48.1498

Deuteranomaly

11.4147, 9.1749, 40.1990

Tritanomaly

13.7648, 10.1085, 20.6277

Monochromacy



Original Color

19.0856, 10.6625, 46.3995

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

12.0482, 9.6274, 20.2920

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.0856, 10.6625, 46.3995 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, 52, 184)` looks like.

```
.text, #text, p{  
    color:rgb(130, 52, 184)  
}
```

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, 52, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 52, 184) }
```

Border

The CSS property to change the border of an element to XYZ 19.0856, 10.6625, 46.3995 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, 52, 184) }
```


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

```
.border{ border-color:rgb(130, 52, 184) }
```

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

Here you see how a box with a 4 pixel rgb(130, 52, 184) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 52, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 52, 184);  
box-shadow:4px 4px 4px 4px rgb(130, 52,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 19.0856, 10.6625, 46.3995 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 52, 184) }
```

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

```
.background{ background-color: rgb(130, 52,  
184) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor