

Converting Colors

XYZ(22.3431, 15.4845, 46.7327)

Have a look what the booklet for
XYZ(22.3431, 15.4845, 46.7327)
contains.

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Color

**XYZ(22.3563, 15.4777,
46.6089)**

Conversions

Conversions Part 1

Format	Color
Hex	8A56B7
RGB	138, 86, 183
RGB Percent	54%, 34%, 72%
CMY	0.4588, 0.6627, 0.2824
CMYK	0.25, 0.53, 0.00, 0.28
HSL	272°, 40%, 53%
HSV	272°, 53%, 72%
XYZ	22.3563, 15.4777, 46.6089
YIQ	112.6060, -0.1450, 41.1910

Conversions

Conversions Part 2

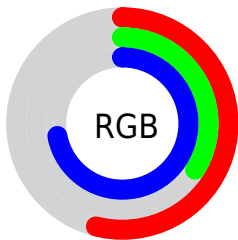
Format	Color
R _Y B	138, 86, 183
Decimal	9066167
CIE Lab	46.28, 40.19, -43.35
CIE LCh	46, 59.111, 312.834
Yxy	15.4777, 0.2648, 0.1833
Android (android.graphics.Color)	4287256247 (0xFF8A56B7)
YUV	112.6060, 34.7042, 22.2705
Hunter-Lab	39.3417, 32.5863, -42.7028

Details

The XYZ color **22.3563, 15.4777, 46.6089** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **27.9734, 39.3643, 14.9282**, and the grayscale version is **15.4808, 16.2870, 17.7365**.

A 20% lighter version of the original color is **46.9220, 35.6519, 86.8465**, and **8.3703, 4.8394, 21.2618** is the 20% darker color. If you saturate the color by 10%, you get **19.7279, 12.2246, 46.1198**, and if you desaturate by 10%, it is **25.4698, 19.5366, 47.2285**.

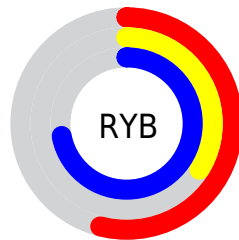
Distribution



Red (54%)

Green (34%)

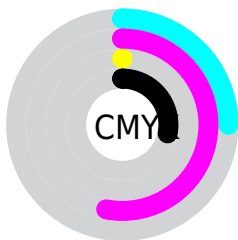
Blue (72%)



Red (54%)

Yellow (34%)

Blue (72%)

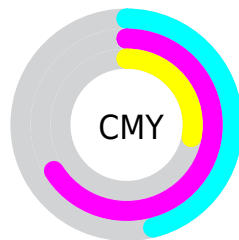


Cyan (25%)

Magenta (53%)

Yellow (0%)

Black (28%)



Cyan (46%)

Magenta (66%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.3563, 15.4777, 46.6089 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 22.3563, 15.4777, 46.6089 by changing the saturation by 10% instead.

■ 22.3563, 15.4777,
46.6089

■ 22.3563, 15.4777,
46.6089

256.9989,
226.2397, 389.5997

■ 14.2370, 9.1553,
32.3745

■ 46.8087, 35.6891,
86.4734

■ 8.3685, 4.8426,
21.3805

■ 63.8724, 50.3468,
112.9405

■ 4.3854, 2.1552,
13.2085

■ 84.6484, 68.5519,
144.3223

■ 1.9224, 0.6954,
7.4398

■ 109.5020, 90.6885,
181.0373

■ 0.5898, 0.0000,
3.6561

■ 138.7984,
117.1413, 223.5039

■ 0.0000, 0.0000,
1.4386

172.9032,

■ 0.0000, 0.0000,

148.2944, 272.1409

0.1716

212.1815,
184.5324, 327.3666

■ 0.0000, 0.0000,
0.0000

■ 22.3563, 15.4777,
46.6089

■ 22.3563, 15.4777,
46.6089

■ 19.7279, 12.2246,
46.1198

■ 25.4698, 19.5366,
47.2285

■ 17.5510, 9.7160,
45.7503

■ 29.0950, 24.4530,
47.9864

■ 15.7903, 7.8841,
45.4895

■ 33.2586, 30.2761,
48.8909

■ 14.4029, 6.6475,
45.3240

■ 37.9848, 37.0509,
49.9495

■ 13.5958, 6.0215,
45.2457

■ 43.2961, 44.8193,
51.1690

■ 49.2138, 53.6206,
52.5560

■ 55.7581, 63.4921,
54.1164

■ 62.9481, 74.4689,
55.8562

■ 70.8021, 86.5849,
57.7809

Harmonies

Analogous

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



16.9769, 15.4777, 61.1579



22.3563, 15.4777, 46.6089



26.0862, 15.4777, 26.4734

Triad

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



22.3563, 15.4777, 46.6089



17.7696, 15.4777, 1.7953



7.1248, 15.4777, 23.8212

Complementary

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



22.3563, 15.4777, 46.6089



27.9734, 39.3643, 14.9282

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.



7.2427, 15.4777, 9.9008



22.3563, 15.4777, 46.6089



12.6564, 15.4777, 1.6757

Square

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



22.3563, 15.4777, 46.6089



23.0500, 15.4777, 4.1292



9.0440, 15.4777, 3.5736



8.6736, 15.4777, 43.7388

Rectangle

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



22.3563, 15.4777, 46.6089



26.7079, 15.4777, 15.5137



9.0440, 15.4777, 3.5736



6.9833, 15.4777, 18.2663

Sweetspot

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



22.3569, 15.4783, 46.6093



65.1573, 62.2101, 88.8093



20.5375, 21.7021, 47.9065



14.0050, 13.1857, 19.5286



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.



22.3569, 15.4783, 46.6093



34.4677, 20.8666, 82.4467



31.0710, 20.0090, 45.2803



8.9685, 8.9501, 11.3343



9.5645, 4.2419, 31.5677



0.4078, 0.1860, 1.1161

Inverse Universe

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



26.9532, 18.3619, 23.5962



44.2356, 26.9794, 34.2323



22.5846, 36.5709, 15.3716



9.1733, 9.0797, 10.2599



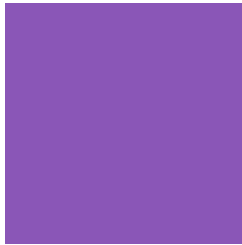
14.7983, 7.4931, 6.8246



0.5530, 0.2767, 0.4054

Previews

White Background



This preview shows how the XYZ color 22.3563, 15.4777, 46.6089 looks on a white background.

Color Contrast Check

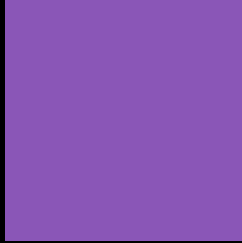
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.3563, 15.4777, 46.6089 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

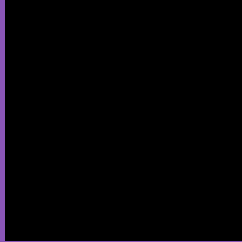
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.3563, 15.4777, 46.6089

Background



This preview shows how black text looks on a background with the XYZ color 22.3563, 15.4777, 46.6089.



This preview shows how white text looks on a background with the XYZ color 22.3563, 15.4777,

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

22.3563, 15.4777, 46.6089

Protanopia

17.9007, 15.7878, 58.6038

Deuteranopia

16.0661, 15.6314, 44.2899



Tritanopia

16.4791, 15.5061, 17.4537

Trichromacy



Original Color

22.3563, 15.4777, 46.6089

Protanomaly

18.4501, 14.9839, 54.1443

Deuteranomaly

17.5080, 14.9823, 45.1491

Tritanomaly

18.0681, 15.1302, 26.0129

Monochromacy



Original Color

22.3563, 15.4777, 46.6089

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

17.4637, 15.6730, 26.1495

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.3563, 15.4777, 46.6089 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(138, 86, 183)` looks like.

```
.text, #text, p{  
    color:rgb(138, 86, 183)  
}
```

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(138, 86, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 86, 183) }
```

Border

The CSS property to change the border of an element to XYZ 22.3563, 15.4777, 46.6089 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(138, 86, 183) }
```


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

```
.border{ border-color:rgb(138, 86, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 86, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(138, 86, 183); -webkit-box-shadow:4px 4px 4px 4px rgb(138, 86, 183); box-shadow:4px 4px 4px 4px rgb(138, 86, 183) }
```

Background

The CSS property to change the background color of an element to XYZ 22.3563, 15.4777, 46.6089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 86, 183) }
```

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

```
.background{ background-color: rgb(138, 86,  
183) }
```

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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