

Converting Colors

XYZ(22.2417, 18.8243, 32.6645)

Have a look what the booklet for
XYZ(22.2417, 18.8243, 32.6645)
contains.

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Color

**XYZ(22.2677, 18.7758,
32.5875)**

Conversions

Conversions Part 1

Format	Color
Hex	8E6C99
RGB	142, 108, 153
RGB Percent	56%, 42%, 60%
CMY	0.4431, 0.5765, 0.4000
CMYK	0.07, 0.29, 0.00, 0.40
HSL	285°, 18%, 51%
HSV	285°, 29%, 60%
XYZ	22.2677, 18.7758, 32.5875
YIQ	123.2960, 5.8190, 21.2030

Conversions

Conversions Part 2

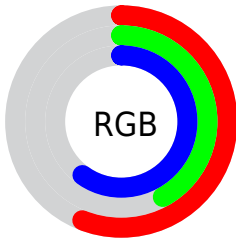
Format	Color
R_{YB}	142, 108, 153
Decimal	9333913
CIE _{Lab}	50.42, 21.93, -19.26
CIE _{LCh}	50, 29.181, 318.708
Yxy	18.7758, 0.3024, 0.2550
Android (android.graphics.Color)	4287523993 (0xFF8E6C99)
YUV	123.2960, 14.6441, 16.4034
Hunter-Lab	43.3311, 15.9013, -14.2578

Details

The XYZ color **22.2677, 18.7758, 32.5875** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **21.7063, 27.7876, 18.4077**, and the grayscale version is **18.8767, 19.8598, 21.6273**.

A 20% lighter version of the original color is **46.5982, 41.3824, 64.5631**, and **8.3285, 6.4152, 13.3697** is the 20% darker color. If you saturate the color by 10%, you get **20.1627, 15.5022, 32.0669**, and if you desaturate by 10%, it is **24.6786, 22.6285, 33.2044**.

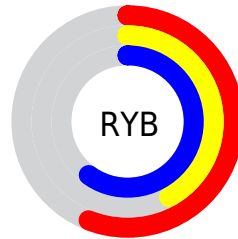
Distribution



Red (56%)

Green (42%)

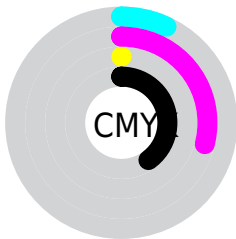
Blue (60%)



Red (56%)

Yellow (42%)

Blue (60%)

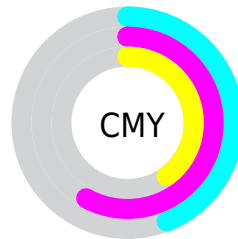


Cyan (7%)

Magenta (29%)

Yellow (0%)

Black (40%)



Cyan (44%)

Magenta (58%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.2677, 18.7758, 32.5875 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 22.2677, 18.7758, 32.5875 by changing the saturation by 10% instead.

■ 22.2677, 18.7758,
32.5875

■ 22.2677, 18.7758,
32.5875

256.5473,
245.2082, 328.3617

■ 14.1714, 11.5084,
21.5421

■ 46.6636, 41.3549,
64.8395

■ 8.3225, 6.4099,
13.3257

■ 63.6940, 57.4354,
86.8833

■ 4.3555, 3.0959,
7.5199

■ 84.4331, 77.2224,
113.4302

■ 1.9052, 1.1820,
3.7060

■ 109.2463,
101.1002, 144.8989

■ 0.5798, 0.0469,
1.4655

138.4990,
129.4533, 181.7078

■ 0.0000, 0.0000,
0.1920

172.5564,

■ 0.0000, 0.0000,

162.6661, 224.2756

0.0000

211.7841,
201.1229, 273.0207

■ 22.2677, 18.7758,
32.5875

■ 22.2677, 18.7758,
32.5875

■ 20.1627, 15.5022,
32.0669

■ 24.6786, 22.6285,
33.2044

■ 18.3469, 12.7755,
31.6363

■ 27.4075, 27.0854,
33.9208

■ 16.8043, 10.5642,
31.2907

■ 30.4682, 32.1731,
34.7415

■ 15.5171, 8.8325,
31.0243

■ 33.8727, 37.9158,
35.6705

■ 14.4647, 7.5396,
30.8302

■ 37.6329, 44.3365,
36.7117

■ 13.6232, 6.6384,
30.7006

■ 41.7597, 51.4570,
37.8686

■ 12.9384, 6.0203,
30.6174

■ 46.2637, 59.2983,
39.1447

■ 12.8994, 5.9857,
30.6128

■ 51.1550, 67.8802,
40.5434

■ 56.4435, 77.2220,
42.0678

Harmonies

Analogous

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



19.6538, 18.7758, 39.1053



22.2677, 18.7758, 32.5875



23.7495, 18.7758, 23.6590

Triad

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



22.2677, 18.7758, 32.5875



18.9358, 18.7758, 8.6290



13.1603, 18.7758, 25.8768

Complementary

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



22.2677, 18.7758, 32.5875



21.7063, 27.7876, 18.4077

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.



13.0118, 18.7758, 17.5337



22.2677, 18.7758, 32.5875



16.1523, 18.7758, 8.9267

Square

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



22.2677, 18.7758, 32.5875



21.6943, 18.7758, 10.8064



14.0519, 18.7758, 11.7679



14.4817, 18.7758, 34.5768

Rectangle

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



22.2677, 18.7758, 32.5875



23.8013, 18.7758, 18.1679



14.0519, 18.7758, 11.7679



12.9772, 18.7758, 22.9020

Sweetspot

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



22.2683, 18.7766, 32.5879



49.2038, 48.7050, 60.7797



18.5614, 18.7421, 32.7766



10.7114, 10.5021, 13.3801



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



22.2683, 18.7766, 32.5879



37.4489, 29.8255, 57.7551



23.3637, 19.4437, 28.0150



6.3137, 6.2476, 7.8021



10.6921, 4.9630, 25.3021



0.1916, 0.0906, 0.3798

Inverse Universe

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



21.8298, 18.8301, 19.9375



36.6263, 29.9889, 31.1753



20.9210, 27.3090, 21.7009



6.2676, 6.2462, 6.7895



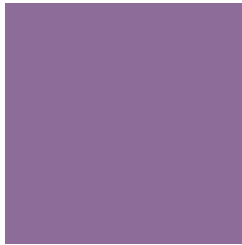
11.1502, 5.7143, 2.0501



0.1794, 0.0905, 0.0975

Previews

White Background



This preview shows how the XYZ color 22.2677, 18.7758, 32.5875 looks on a white background.

Color Contrast Check

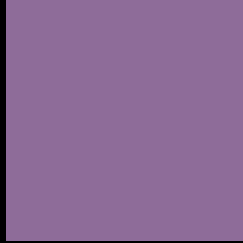
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the XYZ color 22.2677, 18.7758, 32.5875 looks on a black 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

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

XYZ 22.2677, 18.7758, 32.5875

Background



This preview shows how black text looks on a background with the XYZ color 22.2677, 18.7758, 32.5875.



This preview shows how white text looks on a background with the XYZ color 22.2677, 18.7758,

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

22.2677, 18.7758, 32.5875

Protanopia

19.2142, 18.9550, 36.3642

Deuteranopia

19.2668, 18.9042, 31.9116



Tritanopia

20.0737, 18.8680, 21.3228

Trichromacy



Original Color

22.2677, 18.7758, 32.5875

Protanomaly

20.0480, 18.7232, 34.9050

Deuteranomaly

20.1423, 18.6616, 32.2462

Tritanomaly

20.7447, 18.7985, 25.0894

Monochromacy



Original Color

22.2677, 18.7758, 32.5875

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

19.9874, 19.4239, 25.2500

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.2677, 18.7758, 32.5875 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(142, 108, 153)` looks like.

```
.text, #text, p{  
    color:rgb(142, 108, 153)  
}
```

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(142, 108, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 108, 153) }
```

Border

The CSS property to change the border of an element to XYZ 22.2677, 18.7758, 32.5875 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(142, 108, 153) }
```


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

```
.border{ border-color:rgb(142, 108, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 108, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 108, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 108, 153);  
box-shadow:4px 4px 4px 4px rgb(142, 108,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 22.2677, 18.7758, 32.5875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 108, 153) }
```

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

```
.background{ background-color: rgb(142,  
108, 153) }
```

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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