

Converting Colors

XYZ(22.8424, 18.8419, 35.9679)

Have a look what the booklet for
XYZ(22.8424, 18.8419, 35.9679)
contains.

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Color

**XYZ(22.8460, 18.8394,
36.1505)**

Conversions

Conversions Part 1

Format	Color
Hex	8E6BA1
RGB	142, 107, 161
RGB Percent	56%, 42%, 63%
CMY	0.4431, 0.5804, 0.3686
CMYK	0.12, 0.34, 0.00, 0.37
HSL	279°, 22%, 53%
HSV	279°, 34%, 63%
XYZ	22.8460, 18.8394, 36.1505
YIQ	123.6210, 3.5260, 24.2140

Conversions

Conversions Part 2

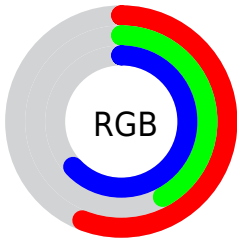
Format	Color
R_{YB}	142, 107, 161
Decimal	9333665
CIE _{Lab}	50.50, 24.25, -23.84
CIE _{LCh}	50, 34.002, 315.491
Yxy	18.8394, 0.2935, 0.2420
Android (android.graphics.Color)	4287523745 (0xFF8E6BA1)
YUV	123.6210, 18.4278, 16.1184
Hunter-Lab	43.4044, 17.9962, -18.9982

Details

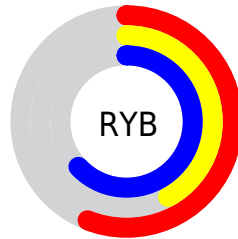
The XYZ color **22.8460, 18.8394, 36.1505** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **24.0037, 30.9874, 18.6269**, and the grayscale version is **18.9727, 19.9607, 21.7372**.

A 20% lighter version of the original color is **47.5578, 41.4899, 70.4675**, and **8.6387, 6.4562, 15.2589** is the 20% darker color. If you saturate the color by 10%, you get **20.3739, 15.3013, 35.5982**, and if you desaturate by 10%, it is **25.6813, 23.0296, 36.8102**.

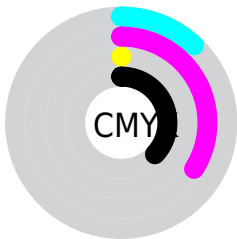
Distribution



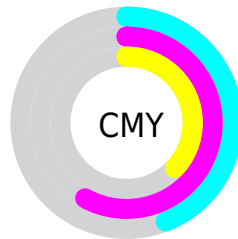
- Red (56%)
- Green (42%)
- Blue (63%)



- Red (56%)
- Yellow (42%)
- Blue (63%)



- Cyan (12%)
- Magenta (34%)
- Yellow (0%)
- Black (37%)



- Cyan (44%)
- Magenta (58%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.8460, 18.8394, 36.1505 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 22.8460, 18.8394, 36.1505 by changing the saturation by 10% instead.

■ 22.8460, 18.8394,
36.1505

■ 22.8460, 18.8394,
36.1505

259.4832,
245.5607, 344.6752

■ 14.5999, 11.5543,
24.2598

■ 47.6089, 41.4625,
70.4360

■ 8.6236, 6.4410,
15.3125

■ 64.8563, 57.5694,
93.6678

■ 4.5516, 3.1150,
8.8899

■ 85.8350, 77.3856,
121.5172

■ 2.0187, 1.1921,
4.5736

■ 110.9101,
101.2955, 154.4026

■ 0.6444, 0.0552,
1.9450

140.4472,
129.6836, 192.7425

■ 0.0000, 0.0000,
0.5212

174.8115,

■ 0.0000, 0.0000,

162.9342, 236.9556

0.0000

214.3683,
201.4318, 287.4603

■ 22.8460, 18.8394,
36.1505

■ 22.8460, 18.8394,
36.1505

■ 20.3739, 15.3013,
35.5982

■ 25.6813, 23.0296,
36.8102

■ 18.2450, 12.3778,
35.1461

■ 28.8946, 27.9020,
37.5813

■ 16.4401, 10.0311,
34.7883

■ 32.5023, 33.4876,
38.4692

■ 14.9372, 8.2184,
34.5176

■ 36.5190, 39.8148,
39.4788

■ 13.7110, 6.8902,
34.3258

■ 40.9586, 46.9104,
40.6144

■ 12.7317, 5.9879,
34.2033

■ 45.8344, 54.7999,
41.8803

■ 12.1828, 5.5373,
34.1452

■ 51.1589, 63.5076,
43.2804

■ 56.9443, 73.0567,
44.8186

■ 63.2022, 83.4694,
46.4986

Harmonies

Analogous

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



19.6628, 18.8394, 43.6049



22.8460, 18.8394, 36.1505



24.8110, 18.8394, 25.4331

Triad

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



22.8460, 18.8394, 36.1505



19.5506, 18.8394, 7.4320



12.4407, 18.8394, 25.7837

Complementary

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



22.8460, 18.8394, 36.1505



24.0037, 30.9874, 18.6269

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.



12.4185, 18.8394, 16.2721



22.8460, 18.8394, 36.1505



16.2576, 18.8394, 7.4732

Square

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



22.8460, 18.8394, 36.1505



22.7552, 18.8394, 10.0565



13.7355, 18.8394, 10.1947



13.8003, 18.8394, 36.4744

Rectangle

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



22.8460, 18.8394, 36.1505



25.0279, 18.8394, 18.8155



13.7355, 18.8394, 10.1947



12.2827, 18.8394, 22.3094

Sweetspot

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



22.8466, 18.8402, 36.1509



53.8324, 53.1767, 67.8134



20.0608, 20.8270, 36.6812



11.6248, 11.3827, 14.8281



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



22.8466, 18.8402, 36.1509



37.6587, 29.0561, 64.0101



25.7723, 20.4197, 33.0681



7.1213, 7.0769, 8.8937



9.7752, 4.4458, 27.2727



0.2536, 0.1183, 0.5753

Inverse Universe

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



23.7222, 19.5997, 22.2725



39.6219, 30.7167, 34.8025



21.8576, 29.8355, 20.5871



7.1719, 7.1252, 7.8916



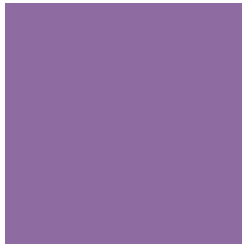
12.3395, 6.2919, 3.7127



0.2811, 0.1409, 0.1927

Previews

White Background



This preview shows how the XYZ color 22.8460, 18.8394, 36.1505 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 22.8460, 18.8394, 36.1505 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

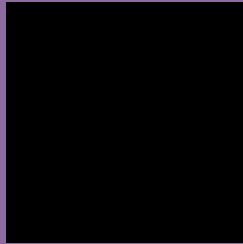
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.8460, 18.8394, 36.1505

Background



This preview shows how black text looks on a background with the XYZ color 22.8460, 18.8394, 36.1505.



This preview shows how white text looks on a background with the XYZ color 22.8460, 18.8394,

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

22.8460, 18.8394, 36.1505

Protanopia

19.5614, 19.0390, 40.6741

Deuteranopia

19.2920, 18.8396, 35.4205



Tritanopia

19.8592, 18.9258, 21.3452

Trichromacy



Original Color

22.8460, 18.8394, 36.1505

Protanomaly

20.5770, 18.9030, 39.1233

Deuteranomaly

20.3885, 18.7103, 35.7946

Tritanomaly

20.7908, 18.7978, 26.1994

Monochromacy



Original Color

22.8460, 18.8394, 36.1505

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

20.3539, 19.5883, 26.3751

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.8460, 18.8394, 36.1505 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, 107, 161)` looks like.

```
.text, #text, p{  
    color:rgb(142, 107, 161)  
}
```

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, 107, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 107, 161) }
```

Border

The CSS property to change the border of an element to XYZ 22.8460, 18.8394, 36.1505 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, 107, 161) }
```


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

```
.border{ border-color:rgb(142, 107, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 107, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 107, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 107, 161);  
box-shadow:4px 4px 4px 4px rgb(142, 107,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 22.8460, 18.8394, 36.1505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 107, 161) }
```

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

```
.background{ background-color: rgb(142,  
107, 161) }
```

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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