

Converting Colors

XYZ(22.6918, 20.6201, 34.2409)

Have a look what the booklet for
XYZ(22.6918, 20.6201, 34.2409)
contains.

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Color

**XYZ(22.6325, 20.5914,
34.2342)**

Conversions

Conversions Part 1

Format	Color
Hex	88769C
RGB	136, 118, 156
RGB Percent	53%, 46%, 61%
CMY	0.4667, 0.5372, 0.3882
CMYK	0.13, 0.24, 0.00, 0.39
HSL	268°, 16%, 54%
HSV	268°, 24%, 61%
XYZ	22.6325, 20.5914, 34.2342
YIQ	127.7140, -1.4700, 15.6340

Conversions

Conversions Part 2

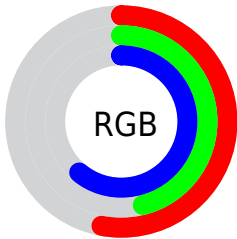
Format	Color
RYB	136, 118, 156
Decimal	8943260
CIELab	52.50, 14.65, -17.89
CIELCh	52, 23.129, 309.313
Yxy	20.5914, 0.2922, 0.2658
Android (android.graphics.Color)	4287133340 (0xFF88769C)
YUV	127.7140, 13.9450, 7.2668
Hunter-Lab	45.3777, 9.6172, -12.9656

Details

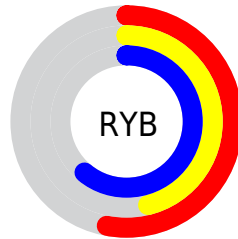
The XYZ color **22.6325, 20.5914, 34.2342** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **25.6405, 30.4888, 21.6740**, and the grayscale version is **20.3730, 21.4340, 23.3416**.

A 20% lighter version of the original color is **47.3678, 44.3997, 67.7015**, and **8.5777, 7.3787, 14.3367** is the 20% darker color. If you saturate the color by 10%, you get **19.6625, 16.5554, 33.6120**, and if you desaturate by 10%, it is **26.0099, 25.2894, 34.9633**.

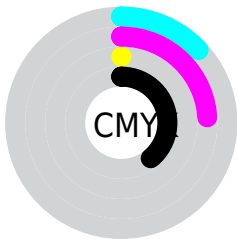
Distribution



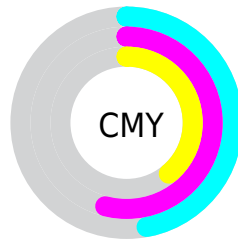
- Red (53%)
- Green (46%)
- Blue (61%)



- Red (53%)
- Yellow (46%)
- Blue (61%)



- Cyan (13%)
- Magenta (24%)
- Yellow (0%)
- Black (39%)



- Cyan (47%)
- Magenta (54%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.6325, 20.5914, 34.2342 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 22.6325, 20.5914, 34.2342 by changing the saturation by 10% instead.

■ 22.6325, 20.5914,
34.2342

■ 22.6325, 20.5914,
34.2342

258.4025,
255.0990, 335.9761

■ 14.4416, 12.8257,
22.7948

■ 47.2603, 44.4065,
67.4358

■ 8.5122, 7.3086,
14.2382

■ 64.4279, 61.2247,
90.0350

■ 4.4789, 3.6558,
8.1459

■ 85.3184, 81.8291,
117.1912

■ 1.9765, 1.4830,
4.0993

110.2972,
106.6042, 149.3229

■ 0.6207, 0.2767,
1.6800

139.7297,
135.9343, 186.8487

■ 0.0000, 0.0000,
0.3470

173.9812,

■ 0.0000, 0.0000,

170.2039, 230.1872

0.0000

213.4170,
209.7973, 279.7568

■ 22.6325, 20.5914,
34.2342

■ 22.6325, 20.5914,
34.2342

■ 19.6625, 16.5554,
33.6120

■ 26.0099, 25.2894,
34.9633

■ 17.0806, 13.1479,
33.0904

■ 29.8087, 30.6759,
35.8028

■ 14.8690, 10.3361,
32.6642

■ 34.0448, 36.7788,
36.7575

■ 13.0074, 8.0832,
32.3275

■ 38.7325, 43.6238,
37.8317

■ 11.4735, 6.3481,
32.0734

■ 43.8857, 51.2354,
39.0293

■ 10.2417, 5.0839,
31.8943

■ 49.5173, 59.6368,
40.3541

■ 9.2814, 4.2334,
31.7808

■ 55.6399, 68.8503,
41.8097

■ 8.8165, 3.8519,
31.7317

■ 62.2656, 78.8972,
43.3998

■ 68.3105, 87.6072,
44.7624

Harmonies

Analogous

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



20.3253, 20.5914, 38.0932



22.6325, 20.5914, 34.2342



24.1974, 20.5914, 27.4032

Triad

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



22.6325, 20.5914, 34.2342



21.2417, 20.5914, 12.2173



15.3745, 20.5914, 24.6204

Complementary

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



22.6325, 20.5914, 34.2342



25.6405, 30.4888, 21.6740

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.



15.5763, 20.5914, 18.0817



22.6325, 20.5914, 34.2342



18.8366, 20.5914, 11.7720

Square

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



22.6325, 20.5914, 34.2342



23.3501, 20.5914, 15.0677



16.7998, 20.5914, 13.6953



16.2243, 20.5914, 31.8442

Rectangle

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



22.6325, 20.5914, 34.2342



24.5402, 20.5914, 22.5789



16.7998, 20.5914, 13.6953



15.3233, 20.5914, 22.2629

Sweetspot

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



22.6332, 20.5923, 34.2347



52.1430, 52.8661, 64.5827



22.5995, 24.5062, 34.9919



11.3920, 11.5166, 14.1929



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



22.6332, 20.5923, 34.2347



38.2031, 33.4301, 61.5659



25.9462, 22.3002, 34.3897



6.5686, 6.5816, 8.3309



7.3016, 3.1931, 26.1387



0.1791, 0.0821, 0.4696

Inverse Universe

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



24.7769, 21.8606, 26.9594



42.8371, 36.1730, 45.7873



22.8036, 29.0263, 21.5413



6.7716, 6.7015, 7.6482



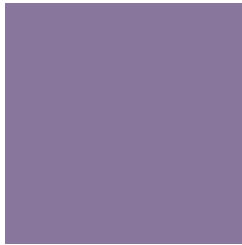
12.5686, 6.3320, 7.2453



0.2460, 0.1217, 0.2418

Previews

White Background



This preview shows how the XYZ color 22.6325, 20.5914, 34.2342 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 22.6325, 20.5914, 34.2342 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

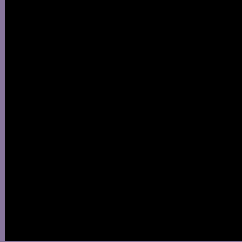
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.6325, 20.5914, 34.2342

Background



This preview shows how black text looks on a background with the XYZ color 22.6325, 20.5914, 34.2342.



This preview shows how white text looks on a background with the XYZ color 22.6325, 20.5914,

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

22.6325, 20.5914, 34.2342

Protanopia

20.7553, 20.6664, 36.1528

Deuteranopia

21.0254, 20.6701, 33.8919



Tritanopia

20.6401, 20.4905, 24.6970

Trichromacy



Original Color

22.6325, 20.5914, 34.2342

Protanomaly

21.3859, 20.6332, 35.6563

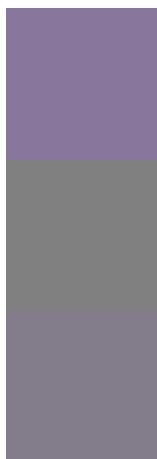
Deuteranomaly

21.5062, 20.5533, 33.8440

Tritanomaly

21.3180, 20.5844, 28.0489

Monochromacy



Original Color

22.6325, 20.5914, 34.2342

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

21.1552, 21.0756, 26.9978

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.6325, 20.5914, 34.2342 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(136, 118, 156)` looks like.

```
.text, #text, p{  
    color:rgb(136, 118, 156)  
}
```

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(136, 118, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 118, 156) }
```

Border

The CSS property to change the border of an element to XYZ 22.6325, 20.5914, 34.2342 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(136, 118, 156) }
```


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

```
.border{ border-color:rgb(136, 118, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 118, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 118, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 118, 156);  
box-shadow:4px 4px 4px 4px rgb(136, 118,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 22.6325, 20.5914, 34.2342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 118, 156) }
```

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

```
.background{ background-color: rgb(136,  
118, 156) }
```

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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