

Converting Colors

XYZ(22.3312, 22.4053, 32.7684)

Have a look what the booklet for
XYZ(22.3312, 22.4053, 32.7684)
contains.

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Color

**XYZ(22.2888, 22.2945,
32.8343)**

Conversions

Conversions Part 1

Format	Color
Hex	808098
RGB	128, 128, 152
RGB Percent	50%, 50%, 60%
CMY	0.4980, 0.4980, 0.4039
CMYK	0.16, 0.16, 0.00, 0.40
HSL	240°, 10%, 55%
HSV	240°, 16%, 60%
XYZ	22.2888, 22.2945, 32.8343
YIQ	130.7360, -7.7040, 7.4640

Conversions

Conversions Part 2

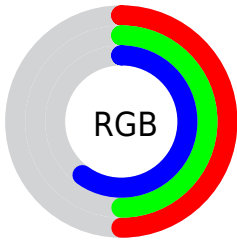
Format	Color
R_{YB}	128, 128, 152
Decimal	8421528
CIE _{Lab}	54.34, 5.15, -12.85
CIE _{LCh}	54, 13.839, 291.852
Yxy	22.2945, 0.2879, 0.2880
Android (android.graphics.Color)	4286611608 (0xFF808098)
YUV	130.7360, 10.4832, -2.3995
Hunter-Lab	47.2171, 1.6310, -8.1778

Details

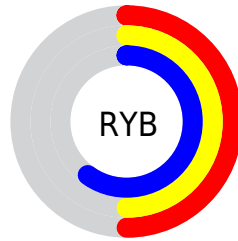
The XYZ color **22.2888, 22.2945, 32.8343** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **28.0737, 30.6906, 24.8670**, and the grayscale version is **21.4456, 22.5625, 24.5705**.

A 20% lighter version of the original color is **46.7205, 47.3277, 65.0653**, and **8.3694, 8.1938, 13.4524** is the 20% darker color. If you saturate the color by 10%, you get **18.3353, 17.5310, 32.1236**, and if you desaturate by 10%, it is **26.8832, 27.8305, 33.6611**.

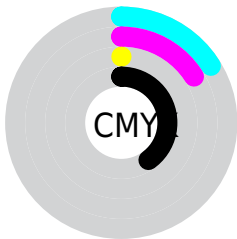
Distribution



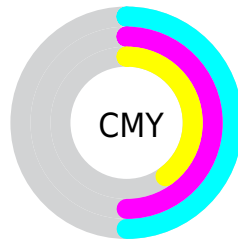
- Red (50%)
- Green (50%)
- Blue (60%)



- Red (50%)
- Yellow (50%)
- Blue (60%)



- Cyan (16%)
- Magenta (16%)
- Yellow (0%)
- Black (40%)



- Cyan (50%)
- Magenta (50%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.2888, 22.2945, 32.8343 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 22.2888, 22.2945, 32.8343 by changing the saturation by 10% instead.

■ 22.2888, 22.2945,
32.8343

■ 22.2888, 22.2945,
32.8343

256.6549,
264.0804, 329.5115

■ 14.1871, 14.0735,
21.7295

■ 46.6982, 47.2323,
65.2298

■ 8.3334, 8.1718,
13.4618

■ 63.7365, 64.7178,
87.3575

■ 4.3626, 4.2051,
7.6129

■ 84.4844, 86.0602,
113.9966

■ 1.9093, 1.7889,
3.7641

109.3072,
111.6440, 145.5656

■ 0.5822, 0.4803,
1.4968

138.5703,
141.8535, 182.4830

■ 0.0000, 0.0000,
0.2156

172.6391,

■ 0.0000, 0.0000,

177.0731, 225.1675

0.0000

211.8788,
217.6873, 274.0374

■ 22.2888, 22.2945,
32.8343

■ 22.2888, 22.2945,
32.8343

■ 18.3353, 17.5310,
32.1236

■ 26.8832, 27.8305,
33.6611

■ 14.9924, 13.5029,
31.5223

■ 32.1429, 34.1681,
34.6071

■ 12.2301, 10.1746,
31.0254

■ 38.0939, 41.3385,
35.6775

■ 10.0155, 7.5061,
30.6271

■ 44.7598, 49.3704,
36.8765

■ 8.3120, 5.4535,
30.3207

■ 52.1632, 58.2910,
38.2081

■ 7.0789, 3.9677,
30.0989

■ 60.3259, 68.1264,
39.6763

■ 6.2691, 2.9919,
29.9532

■ 69.2686, 78.9016,
41.2848

■ 5.8172, 2.4474,
29.8719

■ 79.0112, 90.6407,
43.0372

■ 5.6676, 2.2671,
29.8450

■ 82.6676, 95.0470,
43.6950

Harmonies

Analogous

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



20.7816, 22.2945, 33.4660



22.2888, 22.2945, 32.8343



23.5552, 22.2945, 29.7787

Triad

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



22.2888, 22.2945, 32.8343



23.0337, 22.2945, 18.3083



18.4456, 22.2945, 23.1160

Complementary

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



22.2888, 22.2945, 32.8343



28.0737, 30.6906, 24.8670

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.



18.9891, 22.2945, 19.4948



22.2888, 22.2945, 32.8343



21.6042, 22.2945, 16.9425

Square

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



22.2888, 22.2945, 32.8343



23.9993, 22.2945, 21.3111



20.1284, 22.2945, 17.3496



18.6094, 22.2945, 27.5015

Rectangle

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



22.2888, 22.2945, 32.8343



24.0691, 22.2945, 26.9566



20.1284, 22.2945, 17.3496



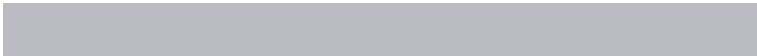
18.5506, 22.2945, 21.7773

Sweetspot

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



22.2895, 22.2954, 32.8348



48.0544, 49.8501, 59.5230



25.7656, 29.3000, 33.8321



10.7939, 11.1757, 13.5057



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.



22.2895, 22.2954, 32.8348



36.7162, 36.1884, 57.4836



24.1352, 23.2468, 32.9212



5.8845, 6.0264, 7.7820



4.7521, 1.9009, 25.0242



0.0710, 0.0284, 0.3741

Inverse Universe

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



24.5650, 23.6729, 23.6976



41.5236, 39.0987, 38.1794



26.0078, 29.6257, 24.7704



6.2088, 6.2227, 6.4797



10.8574, 5.5972, 0.5082



0.1623, 0.0837, 0.0076

Previews

White Background



This preview shows how the XYZ color 22.2888, 22.2945, 32.8343 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 22.2888, 22.2945, 32.8343 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 22.2888, 22.2945, 32.8343

Background



This preview shows how black text looks on a background with the XYZ color 22.2888, 22.2945, 32.8343.



This preview shows how white text looks on a background with the XYZ color 22.2888, 22.2945,

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

22.2888, 22.2945, 32.8343

Protanopia

22.0575, 22.3604, 33.2904

Deuteranopia

22.7726, 22.3513, 32.8197



Tritanopia

21.3204, 22.2943, 27.9905

Trichromacy



Original Color

22.2888, 22.2945, 32.8343

Protanomaly

22.2042, 22.4360, 33.2973

Deuteranomaly

22.6169, 22.2710, 32.8125

Tritanomaly

21.6367, 22.2262, 29.5353

Monochromacy



Original Color

22.2888, 22.2945, 32.8343

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

21.8488, 22.5752, 27.6320

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.2888, 22.2945, 32.8343 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(128, 128, 152)` looks like.

```
.text, #text, p{  
    color:rgb(128, 128, 152)  
}
```

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(128, 128, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 128, 152) }
```

Border

The CSS property to change the border of an element to XYZ 22.2888, 22.2945, 32.8343 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(128, 128, 152) }
```


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

```
.border{ border-color:rgb(128, 128, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 128, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 128, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 128, 152);  
box-shadow:4px 4px 4px 4px rgb(128, 128,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 22.2888, 22.2945, 32.8343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 128, 152) }
```

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

```
.background{ background-color: rgb(128,  
128, 152) }
```

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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