

Converting Colors

XYZ(24.6615, 24.5048, 36.0017)

Have a look what the booklet for
XYZ(24.6615, 24.5048, 36.0017)
contains.

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Color

**XYZ(24.5508, 24.3946,
35.7624)**

Conversions

Conversions Part 1

Format	Color
Hex	87859E
RGB	135, 133, 158
RGB Percent	53%, 52%, 62%
CMY	0.4706, 0.4784, 0.3804
CMYK	0.15, 0.16, 0.00, 0.38
HSL	245°, 11%, 57%
HSV	245°, 16%, 62%
XYZ	24.5508, 24.3946, 35.7624
YIQ	136.4480, -6.8330, 8.1990

Conversions

Conversions Part 2

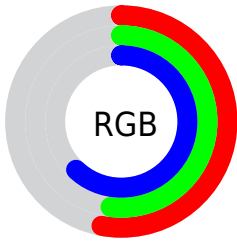
Format	Color
R_{YB}	135, 133, 158
Decimal	8881566
CIE _{Lab}	56.48, 6.01, -13.02
CIE _{LCh}	56, 14.345, 294.777
Y _{xy}	24.3946, 0.2898, 0.2880
Android (android.graphics.Color)	4287071646 (0xFF87859E)
YUV	136.4480, 10.6251, -1.2699
Hunter-Lab	49.3909, 2.2932, -8.3564

Details

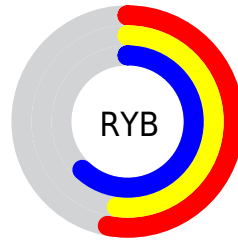
The XYZ color **24.5508, 24.3946, 35.7624** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **30.1716, 33.2157, 27.0125**, and the grayscale version is **23.5336, 24.7592, 26.9628**.

A 20% lighter version of the original color is **50.3082, 50.6133, 70.0686**, and **9.5705, 9.3335, 15.2070** is the 20% darker color. If you saturate the color by 10%, you get **20.3670, 19.2650, 34.9932**, and if you desaturate by 10%, it is **29.3809, 30.3417, 36.6561**.

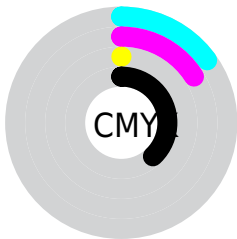
Distribution



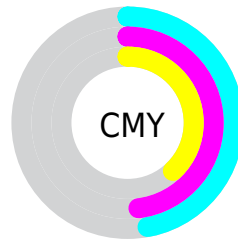
- Red (53%)
- Green (52%)
- Blue (62%)



- Red (53%)
- Yellow (52%)
- Blue (62%)



- Cyan (15%)
- Magenta (16%)
- Yellow (0%)
- Black (38%)



- Cyan (47%)
- Magenta (48%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.5508, 24.3946, 35.7624 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 24.5508, 24.3946, 35.7624 by changing the saturation by 10% instead.

■ 24.5508, 24.3946,
35.7624

■ 24.5508, 24.3946,
35.7624

267.9825,
274.8094, 342.9268

■ 15.8696, 15.6266,
23.9625

■ 50.3757, 50.6734,
69.8301

■ 9.5222, 9.2603,
15.0939

■ 68.2502, 68.9529,
92.9350

■ 5.1432, 4.9114,
8.7379

■ 89.9198, 91.1718,
120.6453

■ 2.3671, 2.1953,
4.4762

115.7499,
117.7143, 153.3795

■ 0.8287, 0.7175,
1.8900

146.1059,
148.9650, 191.5562

■ 0.0000, 0.0000,
0.4864

181.3531,

■ 0.0000, 0.0000,

185.3081, 235.5940

0.0000

221.8568,
227.1281, 285.9113

■ 24.5508, 24.3946,
35.7624

■ 24.5508, 24.3946,
35.7624

■ 20.3670, 19.2650,
34.9932

■ 29.3809, 30.3417,
36.6561

■ 16.7999, 14.9142,
34.3414

■ 34.8807, 37.1366,
37.6778

■ 13.8209, 11.3051,
33.8018

■ 41.0753, 44.8118,
38.8328

■ 11.3983, 8.3961,
33.3680

■ 47.9878, 53.3974,
40.1256

■ 9.4975, 6.1417,
33.0330

■ 55.6402, 62.9218,
41.5607

■ 8.0799, 4.4909,
32.7891

■ 64.0535, 73.4123,
43.1421

■ 7.1013, 3.3854,
32.6273

■ 73.2480, 84.8949,
44.8739

■ 6.5062, 2.7475,
32.5355

■ 81.8221, 94.5530,
46.2862

■ 6.3322, 2.5515,
32.5069

■ 83.1716, 95.2487,
46.3493

Harmonies

Analogous

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



22.8968, 24.3946, 36.7518



24.5508, 24.3946, 35.7624



25.8946, 24.3946, 32.1943

Triad

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



24.5508, 24.3946, 35.7624



25.0777, 24.3946, 19.7679



20.1489, 24.3946, 25.7376

Complementary

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



24.5508, 24.3946, 35.7624



30.1716, 33.2157, 27.0125

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.



20.6738, 24.3946, 21.6274



24.5508, 24.3946, 35.7624



23.4783, 24.3946, 18.4540

Square

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



24.5508, 24.3946, 35.7624



26.2088, 24.3946, 22.9096



21.8734, 24.3946, 19.0920



20.4056, 24.3946, 30.5824

Rectangle

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



24.5508, 24.3946, 35.7624



26.4068, 24.3946, 29.0365



21.8734, 24.3946, 19.0920



20.2390, 24.3946, 24.2314

Sweetspot

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



24.5515, 24.3956, 35.7629



54.0363, 55.9401, 66.6930



27.7896, 31.3447, 36.9336



12.0418, 12.4382, 15.0098



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.



24.5515, 24.3956, 35.7629



41.7558, 40.8280, 64.4233



26.6224, 25.4632, 35.8599



6.3315, 6.4593, 8.3198



5.0864, 2.0511, 26.0351



0.1037, 0.0432, 0.4661

Inverse Universe

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



28.4896, 26.4455, 35.0564



50.3100, 45.2817, 62.8465



27.9337, 32.0620, 26.9078



6.8813, 6.7454, 8.2259



15.4158, 7.4709, 22.2385



0.2817, 0.1360, 0.4296

Previews

White Background



This preview shows how the XYZ color 24.5508, 24.3946, 35.7624 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 24.5508, 24.3946, 35.7624 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

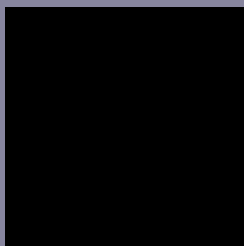
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 24.5508, 24.3946, 35.7624

Background



This preview shows how black text looks on a background with the XYZ color 24.5508, 24.3946, 35.7624.



This preview shows how white text looks on a background with the XYZ color 24.5508, 24.3946,

35.7624.

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

24.5508, 24.3946, 35.7624

Protanopia

24.1432, 24.3787, 36.2340

Deuteranopia

24.9041, 24.3744, 35.7399



Tritanopia

23.5251, 24.3898, 30.6619

Trichromacy



Original Color

24.5508, 24.3946, 35.7624

Protanomaly

24.2988, 24.4589, 36.2412

Deuteranomaly

24.7393, 24.2895, 35.7322

Tritanomaly

23.8616, 24.3205, 32.2909

Monochromacy



Original Color

24.5508, 24.3946, 35.7624

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

23.8514, 24.5758, 29.8721

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.5508, 24.3946, 35.7624 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(135, 133, 158)` looks like.

```
.text, #text, p{  
    color:rgb(135, 133, 158)  
}
```

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(135, 133, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 133, 158) }
```

Border

The CSS property to change the border of an element to XYZ 24.5508, 24.3946, 35.7624 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(135, 133, 158) }
```


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

```
.border{ border-color:rgb(135, 133, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 133, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 133, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 133, 158);  
box-shadow:4px 4px 4px 4px rgb(135, 133,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 24.5508, 24.3946, 35.7624 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 133, 158) }
```

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

```
.background{ background-color: rgb(135,  
133, 158) }
```

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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