

Converting Colors

XYZ(24.6752, 24.7587, 35.0709)

Have a look what the booklet for
XYZ(24.6752, 24.7587, 35.0709)
contains.

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Color

**XYZ(24.5175, 24.6014,
34.9088)**

Conversions

Conversions Part 1

Format	Color
Hex	87869C
RGB	135, 134, 156
RGB Percent	53%, 53%, 61%
CMY	0.4706, 0.4745, 0.3882
CMYK	0.13, 0.14, 0.00, 0.39
HSL	243°, 10%, 57%
HSV	243°, 14%, 61%
XYZ	24.5175, 24.6014, 34.9088
YIQ	136.8070, -6.4660, 7.0540

Conversions

Conversions Part 2

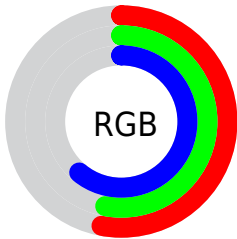
Format	Color
R_{YB}	135, 134, 156
Decimal	8881820
CIE Lab	56.68, 4.99, -11.57
CIE LCh	57, 12.595, 293.327
Yxy	24.6014, 0.2918, 0.2928
Android (android.graphics.Color)	4287071900 (0xFF87869C)
YUV	136.8070, 9.4621, -1.5847
Hunter-Lab	49.5998, 1.4341, -7.0090

Details

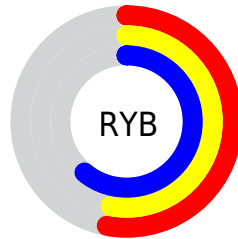
The XYZ color **24.5175, 24.6014, 34.9088** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **29.7100, 32.4674, 27.2564**, and the grayscale version is **23.6728, 24.9056, 27.1222**.

A 20% lighter version of the original color is **50.2672, 50.9352, 68.8101**, and **9.4664, 9.2919, 14.6592** is the 20% darker color. If you saturate the color by 10%, you get **20.2877, 19.4532, 34.1384**, and if you desaturate by 10%, it is **29.4021, 30.5606, 35.8020**.

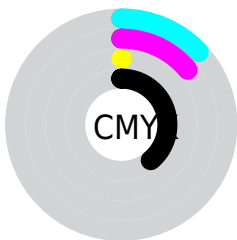
Distribution



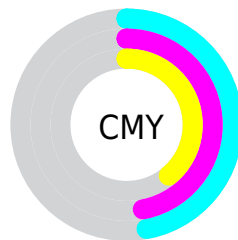
- Red (53%)
- Green (53%)
- Blue (61%)



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



- Cyan (13%)
- Magenta (14%)
- Yellow (0%)
- Black (39%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.5175, 24.6014, 34.9088 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 24.5175, 24.6014, 34.9088 by changing the saturation by 10% instead.

■ 24.5175, 24.6014,
34.9088

■ 24.5175, 24.6014,
34.9088

267.8186,
275.8470, 339.0576

■ 15.8448, 15.7803,
23.3096

■ 50.3219, 51.0098,
68.4944

■ 9.5045, 9.3688,
14.6149

■ 68.1843, 69.3660,
91.3180

■ 5.1314, 4.9825,
8.4059

■ 89.8407, 91.6693,
118.7201

■ 2.3601, 2.2370,
4.2643

115.6563,
118.3042, 151.1192

■ 0.8252, 0.7401,
1.7714

145.9965,
149.6550, 188.9341

■ 0.0000, 0.0000,
0.4090

181.2267,

■ 0.0000, 0.0000,

186.1061, 232.5830

0.0000

221.7123,
228.0420, 282.4847

■ 24.5175, 24.6014,
34.9088

■ 24.5175, 24.6014,
34.9088

■ 20.2877, 19.4532,
34.1384

■ 29.4021, 30.5606,
35.8020

■ 16.6827, 15.0781,
33.4839

■ 34.9652, 37.3604,
36.8213

■ 13.6735, 11.4396,
32.9402

■ 41.2323, 45.0329,
37.9719

■ 11.2282, 8.4972,
32.5012

■ 48.2268, 53.6075,
39.2583

■ 9.3114, 6.2065,
32.1601

■ 55.9709, 63.1121,
40.6847

■ 7.8842, 4.5179,
31.9094

■ 64.4860, 73.5735,
42.2552

■ 6.9020, 3.3747,
31.7405

■ 73.7927, 85.0174,
43.9736

■ 6.3121, 2.7091,
31.6431

■ 82.6850, 95.0175,
45.4351

■ 6.0894, 2.4460,
31.6040

■ 83.0008, 95.1803,
45.4499

Harmonies

Analogous

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



23.0567, 24.6014, 35.6362



24.5175, 24.6014, 34.9088



25.7186, 24.6014, 31.9059

Triad

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



24.5175, 24.6014, 34.9088



25.1080, 24.6014, 20.8169



20.6922, 24.6014, 25.8592

Complementary

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



24.5175, 24.6014, 34.9088



29.7100, 32.4674, 27.2564

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.



21.1931, 24.6014, 22.2467



24.5175, 24.6014, 34.9088



23.7121, 24.6014, 19.5389

Square

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



24.5175, 24.6014, 34.9088



26.0693, 24.6014, 23.7141



22.2838, 24.6014, 20.0336



20.8877, 24.6014, 30.1140

Rectangle

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



24.5175, 24.6014, 34.9088



26.1899, 24.6014, 29.1715



22.2838, 24.6014, 20.0336



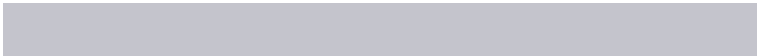
20.7840, 24.6014, 24.5357

Sweetspot

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



24.5182, 24.6024, 34.9093



53.4226, 55.5313, 65.0297



27.5988, 31.0008, 35.9820



11.6075, 12.0388, 14.2823



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.



24.5182, 24.6024, 34.9093



41.9180, 41.5007, 62.9279



26.3334, 25.5382, 34.9943



6.3112, 6.4489, 8.3188



5.0239, 2.0189, 26.0321



0.0971, 0.0398, 0.4658

Inverse Universe

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



28.1526, 26.4857, 34.6400



49.8607, 45.6170, 62.3193



27.7405, 31.4521, 27.1642



6.8912, 6.7494, 8.2779



15.7599, 7.6085, 24.0504



0.2854, 0.1375, 0.4488

Previews

White Background



This preview shows how the XYZ color 24.5175, 24.6014, 34.9088 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 24.5175, 24.6014, 34.9088 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

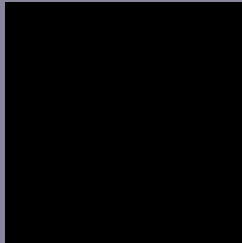
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

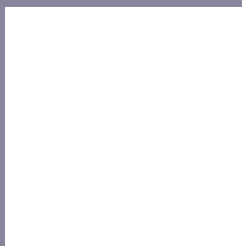
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.5175, 24.6014, 34.9088

Background



This preview shows how black text looks on a background with the XYZ color 24.5175, 24.6014, 34.9088.



This preview shows how white text looks on a background with the XYZ color 24.5175, 24.6014,

34.9088.

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

24.5175, 24.6014, 34.9088

Protanopia

24.2655, 24.6678, 35.3807

Deuteranopia

25.0357, 24.6643, 34.8937



Tritanopia

23.6653, 24.6702, 30.7087

Trichromacy



Original Color

24.5175, 24.6014, 34.9088

Protanomaly

24.4226, 24.7488, 35.3881

Deuteranomaly

24.8695, 24.5786, 34.8859

Tritanomaly

24.0005, 24.5983, 32.3371

Monochromacy



Original Color

24.5175, 24.6014, 34.9088

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

23.9915, 24.8562, 29.9188

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.5175, 24.6014, 34.9088 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, 134, 156)` looks like.

```
.text, #text, p{  
    color:rgb(135, 134, 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(135, 134, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 134, 156) }
```

Border

The CSS property to change the border of an element to XYZ 24.5175, 24.6014, 34.9088 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, 134, 156) }
```


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

```
.border{ border-color:rgb(135, 134, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 134, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 134, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 134, 156);  
box-shadow:4px 4px 4px 4px rgb(135, 134,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 24.5175, 24.6014, 34.9088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 134, 156) }
```

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

```
.background{ background-color: rgb(135,  
134, 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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