

# Converting Colors

XYZ(24.1527, 26.2084, 32.2199)

Have a look what the booklet for  
XYZ(24.1527, 26.2084, 32.2199)  
contains.

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# Color

**XYZ(24.1511, 26.1831,  
32.2147)**

# Conversions

## Conversions Part 1

Format	Color
Hex	818E95
RGB	129, 142, 149
RGB Percent	51%, 56%, 58%
CMY	0.4941, 0.4431, 0.4157
CMYK	0.13, 0.05, 0.00, 0.42
HSL	201°, 9%, 55%
HSV	201°, 13%, 58%
XYZ	24.1511, 26.1831, 32.2147
YIQ	138.9110, -9.9950, -0.5790

# Conversions

## Conversions Part 2

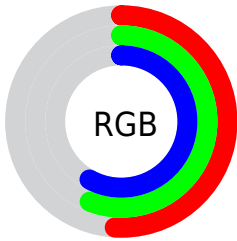
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	129, 137, 149
Decimal	8490645
CIE <sub>Lab</sub>	58.21, -3.18, -5.32
CIE <sub>LCh</sub>	58, 6.198, 239.120
Yxy	26.1831, 0.2926, 0.3172
Android (android.graphics.Color)	4286680725 (0xFF818E95)
YUV	138.9110, 4.9739, -8.6919
Hunter-Lab	51.1694, -5.2975, -1.5086

# Details

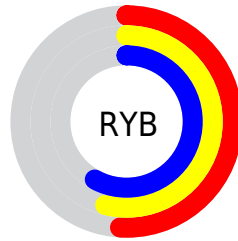
The XYZ color **24.1511, 26.1831, 32.2147** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **25.1612, 25.5827, 24.3812**, and the grayscale version is **24.4912, 25.7667, 28.0599**.

A 20% lighter version of the original color is **49.8108, 53.7367, 64.2468**, and **9.3400, 10.2416, 13.0398** is the 20% darker color. If you saturate the color by 10%, you get **21.2933, 23.5858, 31.8644**, and if you desaturate by 10%, it is **27.3767, 29.0253, 32.5937**.

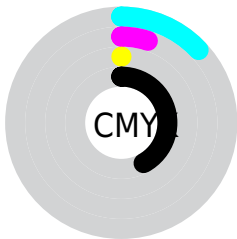
# Distribution



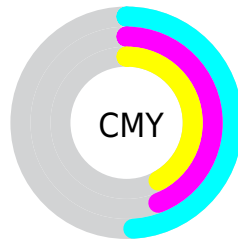
- Red (51%)
- Green (56%)
- Blue (58%)



- Red (51%)
- Yellow (54%)
- Blue (58%)



- Cyan (13%)
- Magenta (5%)
- Yellow (0%)
- Black (42%)



- Cyan (49%)
- Magenta (44%)
- Yellow (42%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 24.1511, 26.1831, 32.2147 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 24.1511, 26.1831, 32.2147 by changing the saturation by 10% instead.



■ 24.1511, 26.1831,  
32.2147

■ 24.1511, 26.1831,  
32.2147

266.0098,  
283.6797, 326.6189

■ 15.5711, 16.9607,  
21.2594

■ 49.7295, 53.5702,  
64.2493

■ 9.3101, 10.2065,  
13.1206

■ 67.4587, 72.5036,  
86.1657

■ 5.0027, 5.5361,  
7.3800

■ 88.9682, 95.4429,  
112.5729

■ 2.2836, 2.5651,  
3.6188

114.6236,  
122.7723, 143.8893

■ 0.7863, 0.9091,  
1.4186

144.7901,  
154.8763, 180.5336

■ 0.0000, 0.0000,  
0.1562

179.8330,

■ 0.0000, 0.0000,

192.1393, 222.9243

0.0000

220.1178,  
234.9456, 271.4799

■ 24.1511, 26.1831,  
32.2147

■ 24.1511, 26.1831,  
32.2147

■ 21.2933, 23.5858,  
31.8644

■ 27.3767, 29.0253,  
32.5937

■ 18.7865, 21.2219,  
31.5402

■ 30.9818, 32.1170,  
33.0004

■ 16.6154, 19.0835,  
31.2419

■ 34.9802, 35.4667,  
33.4363

■ 14.7633, 17.1611,  
30.9685

■ 39.3843, 39.0815,  
33.9019

■ 13.2113, 15.4443,  
30.7189

■ 44.2060, 42.9683,  
34.3980

■ 11.9388, 13.9216,  
30.4921

■ 49.4567, 47.1335,  
34.9252

■ 10.9221, 12.5801,  
30.2867

■ 55.1473, 51.5834,  
35.4842

■ 10.1332, 11.4045,  
30.1014

■ 61.2884, 56.3242,  
36.0756

■ 9.6873, 10.6948,  
29.9879

■ 64.8461, 59.7924,  
36.5575

# Harmonies

## Analogous

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



23.6437, 26.1831, 30.5731



24.1511, 26.1831, 32.2147



24.8640, 26.1831, 32.8556

# Triad

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



24.1511, 26.1831, 32.2147



26.3610, 26.1831, 28.5727



24.1889, 26.1831, 25.0404

# Complementary

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



24.1511, 26.1831, 32.2147



25.1612, 25.5827, 24.3812

# 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.



24.9085, 26.1831, 24.5636



24.1511, 26.1831, 32.2147



26.1716, 26.1831, 26.5399

# Square

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



24.1511, 26.1831, 32.2147



26.1486, 26.1831, 30.6888



25.6362, 26.1831, 25.0989



23.6652, 26.1831, 26.4349



# Rectangle

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



24.1511, 26.1831, 32.2147



25.3631, 26.1831, 32.6055



25.6362, 26.1831, 25.0989



24.4154, 26.1831, 24.7707

# Sweetspot

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



24.1519, 26.1842, 32.2153



48.6264, 51.6310, 58.3241



24.2214, 27.9306, 27.2835



10.6828, 11.3607, 12.9146



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896



# Same Dimension

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



24.1519, 26.1842, 32.2153



41.7002, 45.4973, 57.5053



22.7751, 23.4306, 31.7564



5.7951, 6.2241, 7.3657



8.1816, 9.0580, 25.2482



0.1279, 0.1663, 0.3183



# Inverse Universe

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



25.1278, 24.0436, 28.9090



43.7992, 40.9803, 50.3743



26.5849, 28.4301, 24.8558



5.9500, 5.8751, 6.8428



12.2568, 6.1078, 10.0991



0.1640, 0.0804, 0.1973



# Previews

## White Background



This preview shows how the XYZ color 24.1511, 26.1831, 32.2147 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 24.1511, 26.1831, 32.2147 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

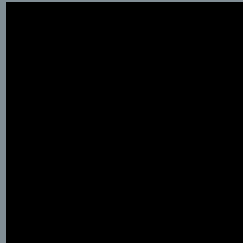
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

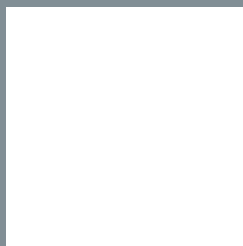
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 24.1511, 26.1831, 32.2147**

## **Background**



This preview shows how black text looks on a background with the XYZ color 24.1511, 26.1831, 32.2147.



This preview shows how white text looks on a background with the XYZ color 24.1511, 26.1831,



# 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

24.1511, 26.1831, 32.2147

### Protanopia

25.3143, 26.1473, 31.3165

### Deuteranopia

26.5219, 26.1062, 32.4953



## Tritanopia

24.4806, 26.0955, 33.8837

# Trichromacy



## Original Color

24.1511, 26.1831, 32.2147

## Protanomaly

24.8767, 26.1285, 31.7491

## Deuteranomaly

25.5780, 26.0417, 32.5326

## Tritanomaly

24.3983, 26.0626, 33.4504

# Monochromacy



## Original Color

24.1511, 26.1831, 32.2147

## Achromatopsia

24.5403, 25.8183, 28.1161

## Achromatomaly

24.3277, 25.8902, 29.7017

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 24.1511, 26.1831, 32.2147 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(129, 142, 149)` looks like.

```
.text, #text, p{  
    color:rgb(129, 142, 149)  
}
```

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(129, 142, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 142, 149) }
```

## Border

The CSS property to change the border of an element to XYZ 24.1511, 26.1831, 32.2147 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(129, 142, 149) }
```



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

```
.border{ border-color:rgb(129, 142, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 142, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 142, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 142, 149);  
box-shadow:4px 4px 4px 4px rgb(129, 142,  
149) }
```

# Background

The CSS property to change the background color of an element to XYZ 24.1511, 26.1831, 32.2147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 142, 149) }
```

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

```
.background{ background-color: rgb(129,  
142, 149) }
```

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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