

Converting Colors

XYZ(22.3122, 24.3459, 30.2306)

Have a look what the booklet for
XYZ(22.3122, 24.3459, 30.2306)
contains.

XYZ(22.3677, 24.4322, 30.3251)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(22.3677, 24.4322,
30.3251)**

Conversions

Conversions Part 1

Format	Color
Hex	7B8A91
RGB	123, 138, 145
RGB Percent	48%, 54%, 57%
CMY	0.5176, 0.4588, 0.4314
CMYK	0.15, 0.05, 0.00, 0.43
HSL	199°, 9%, 53%
HSV	199°, 15%, 57%
XYZ	22.3677, 24.4322, 30.3251
YIQ	134.3130, -11.1870, -1.0030

Conversions

Conversions Part 2

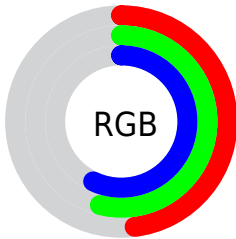
Format	Color
R_{YB}	123, 132, 145
Decimal	8096401
CIE _{Lab}	56.52, -3.88, -5.58
CIE _{LCh}	57, 6.797, 235.175
Yxy	24.4322, 0.2900, 0.3168
Android (android.graphics.Color)	4286286481 (0xFF7B8A91)
YUV	134.3130, 5.2687, -9.9215
Hunter-Lab	49.4289, -5.7254, -1.7747

Details

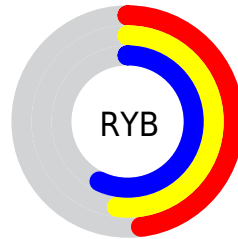
The XYZ color **22.3677, 24.4322, 30.3251** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **23.2351, 23.4152, 22.0344**, and the grayscale version is **22.7599, 23.9451, 26.0763**.

A 20% lighter version of the original color is **46.8441, 50.6152, 61.3336**, and **8.3793, 9.2615, 12.1725** is the 20% darker color. If you saturate the color by 10%, you get **19.7975, 22.1462, 30.0197**, and if you desaturate by 10%, it is **25.2747, 26.9349, 30.6553**.

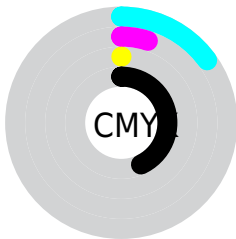
Distribution



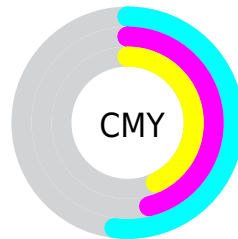
- Red (48%)
- Green (54%)
- Blue (57%)



- Red (48%)
- Yellow (52%)
- Blue (57%)



- Cyan (15%)
- Magenta (5%)
- Yellow (0%)
- Black (43%)



- Cyan (52%)
- Magenta (46%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.3677, 24.4322, 30.3251 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 22.3677, 24.4322, 30.3251 by changing the saturation by 10% instead.

■ 22.3677, 24.4322,
30.3251

■ 22.3677, 24.4322,
30.3251

257.0569,
274.9983, 317.6712

■ 14.2454, 15.6545,
19.8313

■ 46.8273, 50.7346,
61.2430

■ 8.3744, 9.2800,
12.0896

■ 63.8954, 69.0281,
82.5042

■ 4.3893, 4.9243,
6.6815

■ 84.6761, 91.2623,
108.1917

■ 1.9246, 2.2029,
3.1883

109.5348,
117.8217, 138.7239

■ 0.5911, 0.7216,
1.1916

138.8369,
149.0906, 174.5194

■ 0.0000, 0.0000,
0.0000

172.9478,

185.4534, 215.9968

212.2326,
227.2945, 263.5745

■ 22.3677, 24.4322,
30.3251

■ 22.3677, 24.4322,
30.3251

■ 19.7975, 22.1462,
30.0197

■ 25.2747, 26.9349,
30.6553

■ 17.5481, 20.0661,
29.7368

■ 28.5294, 29.6584,
31.0095

■ 15.6056, 18.1849,
29.4760

■ 32.1446, 32.6105,
31.3888

■ 13.9537, 16.4937,
29.2367

■ 36.1322, 35.7978,
31.7938

■ 12.5750, 14.9830,
29.0177

■ 40.5030, 39.2263,
32.2252

■ 11.4498, 13.6420,
28.8182

■ 45.2678, 42.9021,
32.6836

■ 10.5555, 12.4586,
28.6369

■ 50.4367, 46.8308,
33.1695

■ 9.8621, 11.4167,
28.4724

■ 56.0196, 51.0181,
33.6834

■ 9.5609, 10.9443,
28.3971

■ 62.0260, 55.4691,
34.2260

Harmonies

Analogous

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



21.8779, 24.4322, 28.4909



22.3677, 24.4322, 30.3251



23.0949, 24.4322, 31.1638

Triad

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



22.3677, 24.4322, 30.3251



24.7645, 24.4322, 26.9691



22.5836, 24.4322, 22.8663

Complementary

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



22.3677, 24.4322, 30.3251



23.2351, 23.4152, 22.0344

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.



23.3497, 24.4322, 22.5095



22.3677, 24.4322, 30.3251



24.6202, 24.4322, 24.7994

Square

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



22.3677, 24.4322, 30.3251



24.4879, 24.4322, 29.1577



24.0979, 24.4322, 23.1978



22.0006, 24.4322, 24.2011

Rectangle

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



22.3677, 24.4322, 30.3251



23.6209, 24.4322, 31.0131



24.0979, 24.4322, 23.1978



22.8278, 24.4322, 22.6313

Sweetspot

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



22.3684, 24.4332, 30.3256



45.3000, 48.2674, 54.9025



22.3213, 26.0731, 24.9640



10.0011, 10.6727, 12.2051



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



22.3684, 24.4332, 30.3256



38.5189, 42.4024, 54.1279



20.8734, 21.4432, 29.8273



5.4176, 5.8309, 6.8687



8.2245, 9.4351, 24.3648



0.0985, 0.1300, 0.2396

Inverse Universe

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



23.3481, 22.0212, 27.0658



40.6144, 37.3449, 47.1319



24.7726, 26.4902, 22.5469



5.5542, 5.4822, 6.4166



11.9545, 5.9388, 10.6776



0.1243, 0.0608, 0.1550

Previews

White Background



This preview shows how the XYZ color 22.3677, 24.4322, 30.3251 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 22.3677, 24.4322, 30.3251 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

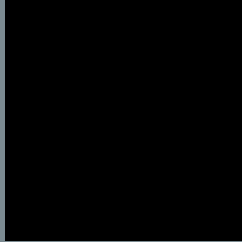
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

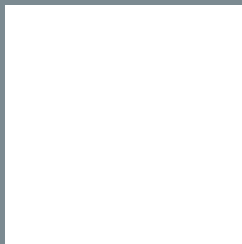
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.3677, 24.4322, 30.3251

Background



This preview shows how black text looks on a background with the XYZ color 22.3677, 24.4322, 30.3251.



This preview shows how white text looks on a background with the XYZ color 22.3677, 24.4322,

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

22.3677, 24.4322, 30.3251

Protanopia

23.7752, 24.5454, 29.4712

Deuteranopia

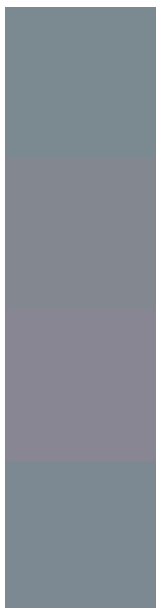
24.7673, 24.4175, 30.6018



Tritanopia

22.6031, 24.3145, 31.5188

Trichromacy



Original Color

22.3677, 24.4322, 30.3251

Protanomaly

23.1983, 24.4472, 29.8817

Deuteranomaly

23.8667, 24.3598, 30.6381

Tritanomaly

22.5243, 24.2830, 31.1037

Monochromacy



Original Color

22.3677, 24.4322, 30.3251

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

22.4573, 23.9088, 27.4760

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.3677, 24.4322, 30.3251 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(123, 138, 145)` looks like.

```
.text, #text, p{  
    color:rgb(123, 138, 145)  
}
```

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(123, 138, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 138, 145) }
```

Border

The CSS property to change the border of an element to XYZ 22.3677, 24.4322, 30.3251 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(123, 138, 145) }
```


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

```
.border{ border-color:rgb(123, 138, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 138, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 138, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 138, 145);  
box-shadow:4px 4px 4px 4px rgb(123, 138,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 22.3677, 24.4322, 30.3251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 138, 145) }
```

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

```
.background{ background-color: rgb(123,  
138, 145) }
```

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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