

Converting Colors

XYZ(21.4676, 24.3334, 29.3178)

Have a look what the booklet for
XYZ(21.4676, 24.3334, 29.3178)
contains.

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Color

**XYZ(21.4630, 24.4222,
29.1739)**

Conversions

Conversions Part 1

Format	Color
Hex	748C8E
RGB	116, 140, 142
RGB Percent	45%, 55%, 56%
CMY	0.5451, 0.4510, 0.4431
CMYK	0.18, 0.01, 0.00, 0.44
HSL	185°, 10%, 51%
HSV	185°, 18%, 56%
XYZ	21.4630, 24.4222, 29.1739
YIQ	133.0520, -14.9460, -4.4660

Conversions

Conversions Part 2

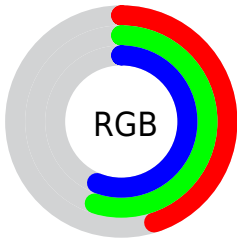
Format	Color
R _Y B	116, 128, 142
Decimal	7638158
CIE Lab	56.51, -8.06, -3.92
CIE LCh	57, 8.962, 205.955
Yxy	24.4222, 0.2859, 0.3254
Android (android.graphics.Color)	4285828238 (0xFF748C8E)
YUV	133.0520, 4.4114, -14.9546
Hunter-Lab	49.4188, -8.9589, -0.4081

Details

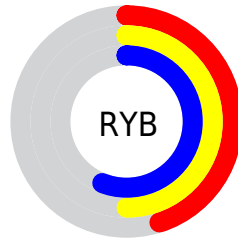
The XYZ color **21.4630, 24.4222, 29.1739** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **20.7862, 19.9684, 19.2821**, and the grayscale version is **22.3022, 23.4636, 25.5519**.

A 20% lighter version of the original color is **45.4040, 50.8939, 59.6550**, and **7.9027, 9.2783, 11.4996** is the 20% darker color. If you saturate the color by 10%, you get **19.5594, 23.2060, 29.0399**, and if you desaturate by 10%, it is **23.6582, 25.7923, 29.3231**.

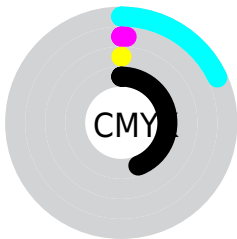
Distribution



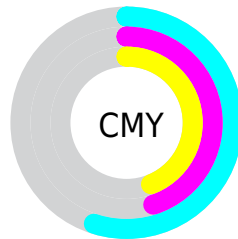
- Red (45%)
- Green (55%)
- Blue (56%)



- Red (45%)
- Yellow (50%)
- Blue (56%)



- Cyan (18%)
- Magenta (1%)
- Yellow (0%)
- Black (44%)



- Cyan (55%)
- Magenta (45%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.4630, 24.4222, 29.1739 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 21.4630, 24.4222, 29.1739 by changing the saturation by 10% instead.

■ 21.4630, 24.4222,
29.1739

■ 21.4630, 24.4222,
29.1739

252.4144,
274.9481, 312.1212

■ 13.5772, 15.6471,
18.9657

■ 45.3423, 50.7183,
59.3987

■ 7.9070, 9.2748,
11.4689

■ 62.0666, 69.0081,
80.2525

■ 4.0868, 4.9208,
6.2651

■ 82.4678, 91.2382,
105.4918

■ 1.7513, 2.2009,
2.9355

106.9112,
117.7931, 135.5352

■ 0.4881, 0.7205,
1.0618

135.7622,
149.0572, 170.8014

■ 0.0000, 0.0000,
0.0000

169.3862,

185.4147, 211.7087

208.1484,
227.2503, 258.6758

■ 21.4630, 24.4222,
29.1739

■ 21.4630, 24.4222,
29.1739

■ 19.5594, 23.2060,
29.0399

■ 23.6582, 25.7923,
29.3231

■ 17.9322, 22.1340,
28.9187

■ 26.1550, 27.3197,
29.4863

■ 16.5680, 21.1998,
28.8103

■ 28.9657, 29.0113,
29.6646

■ 15.4515, 20.3957,
28.7140

■ 32.1013, 30.8727,
29.8587

■ 14.5658, 19.7129,
28.6288

■ 35.5721, 32.9093,
30.0688

■ 13.8918, 19.1416,
28.5541

■ 39.3880, 35.1262,
30.2956

■ 13.4076, 18.6704,
28.4887

■ 43.5587, 37.5283,
30.5394

■ 13.0658, 18.2750,
28.4303

■ 48.0931, 40.1204,
30.8008

■ 13.0110, 18.2098,
28.4207

■ 53.0002, 42.9069,
31.0800

Harmonies

Analogous

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



21.2771, 24.4222, 26.1902



21.4630, 24.4222, 29.1739



22.1125, 24.4222, 31.6173

Triad

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



21.4630, 24.4222, 29.1739



24.9068, 24.4222, 29.9235



23.3537, 24.4222, 21.2852

Complementary

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



21.4630, 24.4222, 29.1739



20.7862, 19.9684, 19.2821

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.



24.3486, 24.4222, 22.1289



21.4630, 24.4222, 29.1739



25.2620, 24.4222, 26.9971

Square

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



21.4630, 24.4222, 29.1739



24.0975, 24.4222, 32.0723



25.0547, 24.4222, 24.1664



22.3495, 24.4222, 21.7739

Rectangle

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



21.4630, 24.4222, 29.1739



22.7313, 24.4222, 32.5343



25.0547, 24.4222, 24.1664



23.7006, 24.4222, 21.4206

Sweetspot

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



21.4637, 24.4232, 29.1744



43.0709, 46.3145, 51.7974



20.1300, 24.3611, 20.6981



9.5611, 10.3083, 11.5652



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



21.4637, 24.4232, 29.1744



36.3952, 42.1455, 51.3445



19.7091, 20.9141, 28.5896



5.5253, 6.0464, 6.9046



11.6877, 16.3614, 25.5191



0.1186, 0.1701, 0.2463

Inverse Universe

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



22.1349, 20.1354, 27.5321



37.8141, 33.1640, 47.8539



22.3886, 23.1732, 19.8162



5.6086, 5.5040, 6.7030



13.7025, 6.6380, 19.8827



0.1344, 0.0648, 0.2082

Previews

White Background



This preview shows how the XYZ color 21.4630, 24.4222, 29.1739 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 21.4630, 24.4222, 29.1739 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

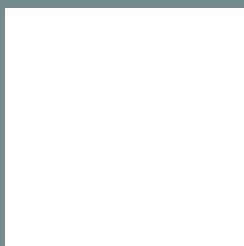
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.4630, 24.4222, 29.1739

Background



This preview shows how black text looks on a background with the XYZ color 21.4630, 24.4222, 29.1739.



This preview shows how white text looks on a background with the XYZ color 21.4630, 24.4222,

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

21.4630, 24.4222, 29.1739

Protanopia

23.5018, 24.2326, 27.8648

Deuteranopia

24.6519, 24.1755, 29.7526



Tritanopia

22.2089, 24.5188, 32.4162

Trichromacy



Original Color

21.4630, 24.4222, 29.1739

Protanomaly

22.5910, 24.1689, 28.2853

Deuteranomaly

23.3145, 24.1017, 29.4099

Tritanomaly

21.8352, 24.3537, 31.1537

Monochromacy



Original Color

21.4630, 24.4222, 29.1739

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

22.0005, 23.8979, 26.7458

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4630, 24.4222, 29.1739 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(116, 140, 142)` looks like.

```
.text, #text, p{  
    color:rgb(116, 140, 142)  
}
```

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(116, 140, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 140, 142) }
```

Border

The CSS property to change the border of an element to XYZ 21.4630, 24.4222, 29.1739 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(116, 140, 142) }
```


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

```
.border{ border-color:rgb(116, 140, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 140, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 140, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 140, 142);  
box-shadow:4px 4px 4px 4px rgb(116, 140,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4630, 24.4222, 29.1739 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 140, 142) }
```

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

```
.background{ background-color: rgb(116,  
140, 142) }
```

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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