

Converting Colors

XYZ(21.8283, 24.7500, 30.2332)

Have a look what the booklet for
XYZ(21.8283, 24.7500, 30.2332)
contains.

XYZ(21.8382, 24.8071, 30.4253)	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(21.8382, 24.8071,
30.4253)**

Conversions

Conversions Part 1

Format	Color
Hex	748D91
RGB	116, 141, 145
RGB Percent	45%, 55%, 57%
CMY	0.5451, 0.4470, 0.4314
CMYK	0.20, 0.03, 0.00, 0.43
HSL	188°, 12%, 51%
HSV	188°, 20%, 57%
XYZ	21.8382, 24.8071, 30.4253
YIQ	133.9810, -16.1840, -4.0560

Conversions

Conversions Part 2

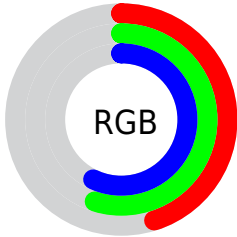
Format	Color
R_{YB}	116, 129, 145
Decimal	7638417
CIE _{Lab}	56.89, -7.93, -5.09
CIE _{LCh}	57, 9.419, 212.687
Yxy	24.8071, 0.2834, 0.3219
Android (android.graphics.Color)	4285828497 (0xFF748D91)
YUV	133.9810, 5.4324, -15.7693
Hunter-Lab	49.8067, -8.8969, -1.3536

Details

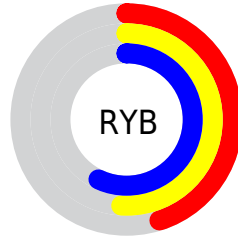
The XYZ color **21.8382, 24.8071, 30.4253** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **21.5462, 20.7137, 19.3861**, and the grayscale version is **22.6385, 23.8175, 25.9373**.

A 20% lighter version of the original color is **45.9724, 51.4786, 61.5462**, and **8.1214, 9.5017, 12.2324** is the 20% darker color. If you saturate the color by 10%, you get **19.7673, 23.3065, 30.2452**, and if you desaturate by 10%, it is **24.2168, 26.4755, 30.6224**.

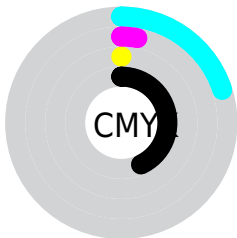
Distribution



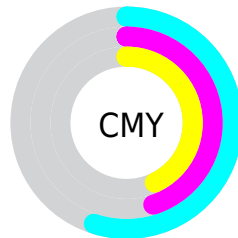
- Red (45%)
- Green (55%)
- Blue (57%)



- Red (45%)
- Yellow (51%)
- Blue (57%)



- Cyan (20%)
- Magenta (3%)
- Yellow (0%)
- Black (43%)



- Cyan (55%)
- Magenta (45%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8382, 24.8071, 30.4253 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 21.8382, 24.8071, 30.4253 by changing the saturation by 10% instead.

■ 21.8382, 24.8071,
30.4253

■ 21.8382, 24.8071,
30.4253

254.3484,
276.8759, 318.1507

■ 13.8540, 15.9334,
19.9068

■ 45.9593, 51.3441,
61.4031

■ 8.1002, 9.4770,
12.1439

■ 62.8269, 69.7762,
82.6994

■ 4.2115, 5.0536,
6.7181

■ 83.3863, 92.1632,
108.4255

■ 1.8225, 2.2788,
3.2106

108.0029,
118.8896, 138.9999

■ 0.5311, 0.7624,
1.2032

137.0421,
150.3396, 174.8410

■ 0.0000, 0.0000,
0.0000

170.8691,

186.8977, 216.3675

209.8495,
228.9484, 263.9979

■ 21.8382, 24.8071,
30.4253

■ 21.8382, 24.8071,
30.4253

■ 19.7673, 23.3065,
30.2452

■ 24.2168, 26.4755,
30.6224

■ 17.9879, 21.9634,
30.0797

■ 26.9139, 28.3154,
30.8354

■ 16.4857, 20.7710,
29.9288

■ 29.9425, 30.3342,
31.0654

■ 15.2444, 19.7208,
29.7915

■ 33.3143, 32.5380,
31.3130

■ 14.2456, 18.8035,
29.6671

■ 37.0403, 34.9323,
31.5788

■ 13.4690, 18.0083,
29.5545

■ 41.1310, 37.5228,
31.8632

■ 12.8905, 17.3230,
29.4527

■ 45.5966, 40.3147,
32.1668

■ 12.4458, 16.7142,
29.3586

■ 50.4467, 43.3131,
32.4899

■ 12.4458, 16.7142,
29.3586

■ 55.6908, 46.5227,
32.8330

Harmonies

Analogous

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



21.5228, 24.8071, 27.2964



21.8382, 24.8071, 30.4253



22.6186, 24.8071, 32.7745

Triad

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



21.8382, 24.8071, 30.4253



25.5133, 24.8071, 29.8945



23.4791, 24.8071, 21.3867

Complementary

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



21.8382, 24.8071, 30.4253



21.5462, 20.7137, 19.3861

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.



24.5649, 24.8071, 21.9657



21.8382, 24.8071, 30.4253



25.7609, 24.8071, 26.7270

Square

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



21.8382, 24.8071, 30.4253



24.7423, 24.8071, 32.4517



25.4087, 24.8071, 23.8617



22.4516, 24.8071, 22.2147

Rectangle

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



21.8382, 24.8071, 30.4253



23.3095, 24.8071, 33.4938



25.4087, 24.8071, 23.8617



23.8494, 24.8071, 21.4233

Sweetspot

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



21.8389, 24.8081, 30.4259



45.1703, 48.6524, 54.9837



20.7104, 25.3171, 21.5226



9.9896, 10.7828, 12.2270



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.



21.8389, 24.8081, 30.4259



37.3735, 43.1807, 54.3385



19.8559, 20.8421, 29.7649



5.4978, 5.9913, 6.8954



10.6889, 14.3639, 25.1862



0.1135, 0.1599, 0.2446

Inverse Universe

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



22.7308, 20.4342, 27.9466



39.2871, 33.9456, 48.9851



23.4058, 24.4329, 20.0060



5.5947, 5.4984, 6.6298



13.1984, 6.4364, 17.2279



0.1319, 0.0638, 0.1948

Previews

White Background



This preview shows how the XYZ color 21.8382, 24.8071, 30.4253 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 21.8382, 24.8071, 30.4253 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 21.8382, 24.8071, 30.4253

Background



This preview shows how black text looks on a background with the XYZ color 21.8382, 24.8071, 30.4253.



This preview shows how white text looks on a background with the XYZ color 21.8382, 24.8071,

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

21.8382, 24.8071, 30.4253

Protanopia

23.8630, 24.5993, 29.0816

Deuteranopia

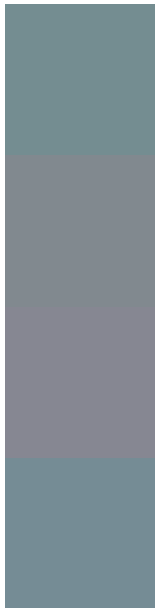
25.1948, 24.6289, 31.0297



Tritanopia

22.3001, 24.7724, 32.8844

Trichromacy



Original Color

21.8382, 24.8071, 30.4253

Protanomaly

22.9568, 24.5416, 29.5137

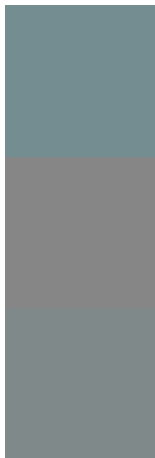
Deuteranomaly

23.6838, 24.4716, 30.6693

Tritanomaly

22.1390, 24.7080, 32.0360

Monochromacy



Original Color

21.8382, 24.8071, 30.4253

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

22.2855, 24.2383, 27.5486

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8382, 24.8071, 30.4253 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, 141, 145)` looks like.

```
.text, #text, p{  
    color:rgb(116, 141, 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(116, 141, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 141, 145) }
```

Border

The CSS property to change the border of an element to XYZ 21.8382, 24.8071, 30.4253 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, 141, 145) }
```


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

```
.border{ border-color:rgb(116, 141, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 141, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 141, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 141, 145);  
box-shadow:4px 4px 4px 4px rgb(116, 141,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8382, 24.8071, 30.4253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 141, 145) }
```

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

```
.background{ background-color: rgb(116,  
141, 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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