

Converting Colors

XYZ(21.5074, 25.9356, 24.6700)

Have a look what the booklet for
XYZ(21.5074, 25.9356, 24.6700)
contains.

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Color

**XYZ(21.4438, 25.8558,
24.6293)**

Conversions

Conversions Part 1

Format	Color
Hex	749281
RGB	116, 146, 129
RGB Percent	45%, 57%, 51%
CMY	0.5451, 0.4274, 0.4941
CMYK	0.21, 0.00, 0.12, 0.43
HSL	146°, 12%, 51%
HSV	146°, 21%, 57%
XYZ	21.4438, 25.8558, 24.6293
YIQ	135.0920, -12.4230, -11.6470

Conversions

Conversions Part 2

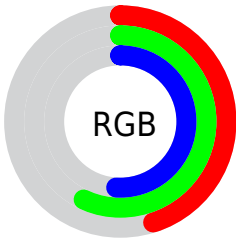
Format	Color
R_{YB}	116, 137, 146
Decimal	7639681
CIE _{Lab}	57.90, -14.15, 5.55
CIE _{LCh}	58, 15.199, 158.568
Yxy	25.8558, 0.2981, 0.3595
Android (android.graphics.Color)	4285829761 (0xFF749281)
YUV	135.0920, -3.0034, -16.7437
Hunter-Lab	50.8486, -13.7083, 6.8760

Details

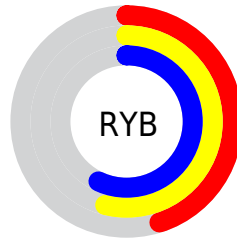
The XYZ color **21.4438, 25.8558, 24.6293** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **22.3340, 20.2959, 24.9319**, and the grayscale version is **23.0780, 24.2798, 26.4407**.

A 20% lighter version of the original color is **45.2462, 53.0108, 52.1033**, and **7.8549, 9.9569, 9.0973** is the 20% darker color. If you saturate the color by 10%, you get **19.1257, 24.7225, 21.7654**, and if you desaturate by 10%, it is **24.1130, 27.1664, 27.7432**.

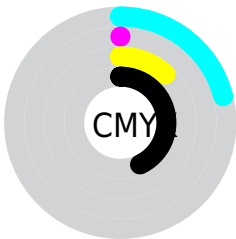
Distribution



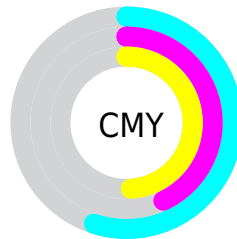
- Red (45%)
- Green (57%)
- Blue (51%)



- Red (45%)
- Yellow (54%)
- Blue (57%)



- Cyan (21%)
- Magenta (0%)
- Yellow (12%)
- Black (43%)



- Cyan (55%)
- Magenta (43%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.4438, 25.8558, 24.6293 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 21.4438, 25.8558, 24.6293 by changing the saturation by 10% instead.

■ 21.4438, 25.8558,
24.6293

■ 21.4438, 25.8558,
24.6293

252.3151,
282.0735, 289.3751

■ 13.5631, 16.7158,
15.5846

■ 45.3107, 53.0422,
52.0118

■ 7.8971, 10.0321,
9.0795

■ 62.0276, 71.8574,
71.1867

■ 4.0804, 5.4202,
4.6956

■ 82.4207, 94.6665,
94.5755

■ 1.7477, 2.4959,
2.0142

106.8552,
121.8538, 122.5965

■ 0.4859, 0.8746,
0.5640

135.6965,
153.8038, 155.6685

■ 0.0000, 0.0000,
0.0000

169.3100,

190.9008, 194.2099

208.0611,
233.5292, 238.6392

■ 21.4438, 25.8558,
24.6293

■ 21.4438, 25.8558,
24.6293

■ 19.1257, 24.7225,
21.7654

■ 24.1130, 27.1664,
27.7432

■ 17.1412, 23.7554,
19.1436

■ 27.1453, 28.6582,
31.1114

■ 15.4746, 22.9473,
16.7581

■ 30.5551, 30.3392,
34.7403

■ 14.1081, 22.2892,
14.6021

■ 34.3550, 32.2158,
38.6353

■ 13.0218, 21.7709,
12.6685

■ 38.5572, 34.2943,
42.8018

■ 12.1936, 21.3811,
10.9497

■ 43.1734, 36.5805,
47.2451

■ 11.5974, 21.1066,
9.4379

■ 48.2147, 39.0800,
51.9703

■ 11.1840, 20.9206,
8.1899

■ 53.6918, 41.7983,
56.9823

■ 59.6151, 44.7406,
62.2859

Harmonies

Analogous

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



22.4465, 25.8558, 20.9871



21.4438, 25.8558, 24.6293



21.2581, 25.8558, 29.6804

Triad

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



21.4438, 25.8558, 24.6293



25.1030, 25.8558, 39.3366



27.4296, 25.8558, 22.3269

Complementary

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



21.4438, 25.8558, 24.6293



22.3340, 20.2959, 24.9319

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.



28.2205, 25.8558, 26.6781



21.4438, 25.8558, 24.6293



26.8343, 25.8558, 36.7875

Square

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



21.4438, 25.8558, 24.6293



23.3120, 25.8558, 38.6109



27.9974, 25.8558, 31.9968



25.8831, 25.8558, 19.7770

Rectangle

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



21.4438, 25.8558, 24.6293



21.6132, 25.8558, 33.2505



27.9974, 25.8558, 31.9968



27.7961, 25.8558, 23.6043

Sweetspot

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



21.4445, 25.8569, 24.6299



44.8237, 49.0470, 51.5145



23.1842, 26.8473, 20.4834



9.9058, 10.8787, 11.3866



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.



21.4445, 25.8569, 24.6299



35.7257, 44.5825, 40.8889



22.4781, 26.2703, 30.0729



5.8277, 6.5077, 6.7035



9.8523, 18.4137, 7.2637



0.1349, 0.2311, 0.1644

Inverse Universe

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



22.3340, 20.2959, 24.9319



37.6064, 32.8223, 41.5257



21.4001, 19.9223, 20.0136



5.9302, 5.8671, 6.7385



11.8080, 5.9283, 7.7361



0.1593, 0.0785, 0.1727

Previews

White Background



This preview shows how the XYZ color 21.4438, 25.8558, 24.6293 looks on a white background.

Color Contrast Check

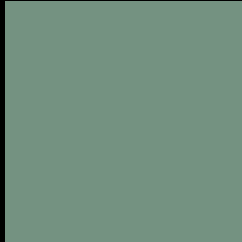
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.4438, 25.8558, 24.6293 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

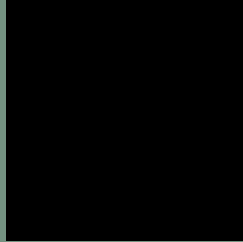
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.4438, 25.8558, 24.6293

Background



This preview shows how black text looks on a background with the XYZ color 21.4438, 25.8558, 24.6293.

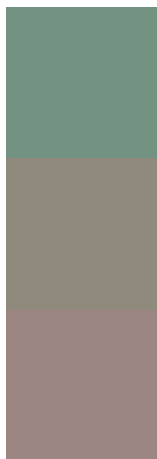


This preview shows how white text looks on a background with the XYZ color 21.4438, 25.8558,

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

21.4438, 25.8558, 24.6293

Protanopia

24.2917, 25.5869, 23.0605

Deuteranopia

26.1394, 25.6575, 25.0474



Tritanopia

23.3909, 25.7440, 34.3081

Trichromacy



Original Color

21.4438, 25.8558, 24.6293

Protanomaly

23.1223, 25.6244, 23.4660

Deuteranomaly

24.1022, 25.4514, 24.7614

Tritanomaly

22.5410, 25.6112, 30.5435

Monochromacy



Original Color

21.4438, 25.8558, 24.6293

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

22.3683, 24.7479, 25.7882

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4438, 25.8558, 24.6293 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, 146, 129)` looks like.

```
.text, #text, p{  
    color:rgb(116, 146, 129)  
}
```

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, 146, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 146, 129) }
```

Border

The CSS property to change the border of an element to XYZ 21.4438, 25.8558, 24.6293 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, 146, 129) }
```


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

```
.border{ border-color:rgb(116, 146, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 146, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 146, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 146, 129);  
box-shadow:4px 4px 4px 4px rgb(116, 146,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4438, 25.8558, 24.6293 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 146, 129) }
```

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

```
.background{ background-color: rgb(116,  
146, 129) }
```

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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