

Converting Colors

XYZ(22.9404, 25.6265, 33.8754)

Have a look what the booklet for
XYZ(22.9404, 25.6265, 33.8754)
contains.

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Color

**XYZ(22.8940, 25.4975,
33.8519)**

Conversions

Conversions Part 1

Format	Color
Hex	768E99
RGB	118, 142, 153
RGB Percent	46%, 56%, 60%
CMY	0.5372, 0.4431, 0.4000
CMYK	0.23, 0.07, 0.00, 0.40
HSL	199°, 15%, 53%
HSV	199°, 23%, 60%
XYZ	22.8940, 25.4975, 33.8519
YIQ	136.0780, -17.8350, -1.6670

Conversions

Conversions Part 2

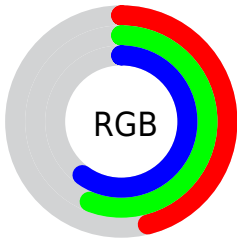
Format	Color
R_{YB}	118, 132, 153
Decimal	7769753
CIE _{Lab}	57.56, -5.96, -8.67
CIE _{LCh}	58, 10.517, 235.495
Yxy	25.4975, 0.2784, 0.3100
Android (android.graphics.Color)	4285959833 (0xFF768E99)
YUV	136.0780, 8.3425, -15.8544
Hunter-Lab	50.4950, -7.4360, -4.4015

Details

The XYZ color **22.8940, 25.4975, 33.8519** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **24.2574, 23.7809, 20.4517**, and the grayscale version is **23.4061, 24.6250, 26.8167**.

A 20% lighter version of the original color is **47.7970, 52.6428, 66.6734**, and **8.6797, 9.8788, 14.0197** is the 20% darker color. If you saturate the color by 10%, you get **20.2827, 23.1128, 33.5297**, and if you desaturate by 10%, it is **25.8748, 28.1198, 34.2014**.

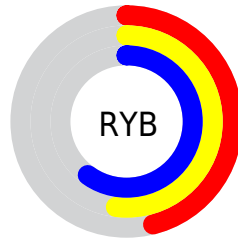
Distribution



Red (46%)

Green (56%)

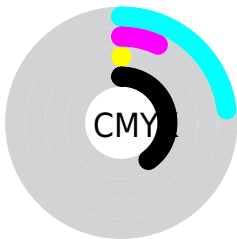
Blue (60%)



Red (46%)

Yellow (52%)

Blue (60%)

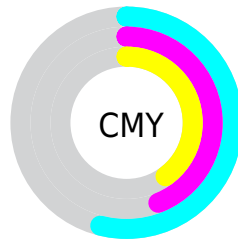


Cyan (23%)

Magenta (7%)

Yellow (0%)

Black (40%)



Cyan (54%)

Magenta (44%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.8940, 25.4975, 33.8519 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 22.8940, 25.4975, 33.8519 by changing the saturation by 10% instead.

■ 22.8940, 25.4975,
33.8519

■ 22.8940, 25.4975,
33.8519

259.7256,
280.3065, 334.2202

■ 14.6355, 16.4481,
22.5034

■ 47.6872, 52.4632,
66.8346

■ 8.6486, 9.8418,
14.0254

■ 64.9525, 71.1482,
89.3058

■ 4.5680, 5.2942,
7.9994

■ 85.9509, 93.8140,
116.3217

■ 2.0282, 2.4209,
4.0068

111.0477,
120.8448, 148.3008

■ 0.6497, 0.8366,
1.6291

140.6082,
152.6250, 185.6617

■ 0.0000, 0.0000,
0.3114

174.9978,

■ 0.0000, 0.0000,

189.5391, 228.8228

0.0000

214.5818,
231.9715, 278.2028

■ 22.8940, 25.4975,
33.8519

■ 22.8940, 25.4975,
33.8519

■ 20.2827, 23.1128,
33.5297

■ 25.8748, 28.1198,
34.2014

■ 18.0218, 20.9534,
33.2320

■ 29.2382, 30.9850,
34.5771

■ 16.0944, 19.0105,
32.9586

■ 32.9996, 34.1024,
34.9806

■ 14.4806, 17.2734,
32.7083

■ 37.1729, 37.4795,
35.4125

■ 13.1586, 15.7301,
32.4801

■ 41.7710, 41.1236,
35.8735

■ 12.1036, 14.3674,
32.2727

■ 46.8065, 45.0417,
36.3644

■ 11.2860, 13.1692,
32.0845

■ 52.2914, 49.2406,
36.8858

■ 10.7936, 12.3874,
31.9596

■ 58.2373, 53.7265,
37.4383

■ 64.3961, 58.3723,
38.0104

Harmonies

Analogous

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



22.1224, 25.4975, 30.8427



22.8940, 25.4975, 33.8519



24.0457, 25.4975, 35.2327

Triad

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



22.8940, 25.4975, 33.8519



26.7191, 25.4975, 28.3085



23.2113, 25.4975, 21.9833

Complementary

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



22.8940, 25.4975, 33.8519



24.2574, 23.7809, 20.4517

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.



24.4245, 25.4975, 21.4306



22.8940, 25.4975, 33.8519



26.4772, 25.4975, 24.8944

Square

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



22.8940, 25.4975, 33.8519



26.2768, 25.4975, 31.8616



25.6266, 25.4975, 22.4509



22.3011, 25.4975, 24.0309

Rectangle

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



22.8940, 25.4975, 33.8519



24.8846, 25.4975, 34.9641



25.6266, 25.4975, 22.4509



23.5960, 25.4975, 21.6245

Sweetspot

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



22.8948, 25.4985, 33.8525



49.7081, 53.2480, 61.6300



22.7922, 28.2062, 24.8386



10.9070, 11.6990, 13.6008



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



22.8948, 25.4985, 33.8525



38.7420, 43.6226, 60.3501



20.5551, 20.8192, 33.0726



6.2208, 6.6989, 7.8941



8.9513, 10.2992, 26.4239



0.1659, 0.2182, 0.4057

Inverse Universe

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



24.4984, 21.6828, 28.4864



42.1282, 35.8179, 48.9625



26.6863, 28.6386, 21.2614



6.3786, 6.2906, 7.3736



12.9770, 6.4450, 11.6696



0.2102, 0.1028, 0.2598

Previews

White Background



This preview shows how the XYZ color 22.8940, 25.4975, 33.8519 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 22.8940, 25.4975, 33.8519 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

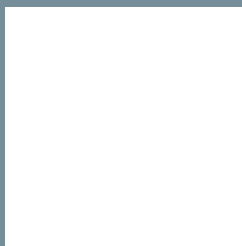
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.8940, 25.4975, 33.8519

Background



This preview shows how black text looks on a background with the XYZ color 22.8940, 25.4975, 33.8519.

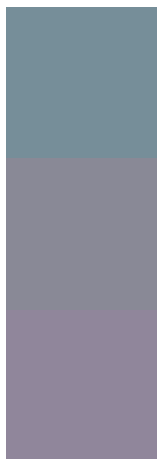


This preview shows how white text looks on a background with the XYZ color 22.8940, 25.4975,

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

22.8940, 25.4975, 33.8519

Protanopia

24.7672, 25.4117, 32.4537

Deuteranopia

25.9431, 25.3460, 34.5353



Tritanopia

22.8940, 25.4975, 33.8519

Trichromacy



Original Color

22.8940, 25.4975, 33.8519

Protanomaly

24.0245, 25.4454, 32.9234

Deuteranomaly

24.7701, 25.3753, 34.1643

Tritanomaly

22.8940, 25.4975, 33.8519

Monochromacy



Original Color

22.8940, 25.4975, 33.8519

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

23.0242, 24.7971, 29.1640

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.8940, 25.4975, 33.8519 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(118, 142, 153)` looks like.

```
.text, #text, p{  
    color:rgb(118, 142, 153)  
}
```

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(118, 142, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 142, 153) }
```

Border

The CSS property to change the border of an element to XYZ 22.8940, 25.4975, 33.8519 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(118, 142, 153) }
```


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

```
.border{ border-color:rgb(118, 142, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 142, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 142, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 142, 153);  
box-shadow:4px 4px 4px 4px rgb(118, 142,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 22.8940, 25.4975, 33.8519 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 142, 153) }
```

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

```
.background{ background-color: rgb(118,  
142, 153) }
```

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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