

Converting Colors

XYZ(24.8507, 33.5860, 30.7642)

Have a look what the booklet for
XYZ(24.8507, 33.5860, 30.7642)
contains.

XYZ(24.8507, 33.5860, 30.7642)	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(24.8507, 33.5860,
30.7642)**

Conversions

Conversions Part 1

Format	Color
Hex	67AA8E
RGB	103, 170, 142
RGB Percent	40%, 67%, 56%
CMY	0.5961, 0.3333, 0.4431
CMYK	0.39, 0.00, 0.16, 0.33
HSL	155°, 28%, 54%
HSV	155°, 39%, 67%
XYZ	24.8507, 33.5860, 30.7642
YIQ	146.7750, -30.9440, -22.9120

Conversions

Conversions Part 2

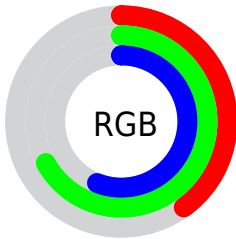
Format	Color
RYB	103, 145, 170
Decimal	6793870
CIELab	64.63, -27.83, 7.78
CIELCh	65, 28.902, 164.376
Yxy	33.5860, 0.2786, 0.3765
Android (android.graphics.Color)	4284983950 (0xFF67AA8E)
YUV	146.7750, -2.3541, -38.3907
Hunter-Lab	57.9534, -24.8769, 9.0937

Details

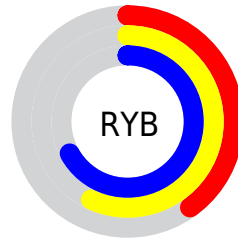
The XYZ color **24.8507, 33.5860, 30.7642** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **25.5256, 19.8860, 23.9669**, and the grayscale version is **27.6595, 29.1000, 31.6898**.

A 20% lighter version of the original color is **51.0648, 65.5463, 62.1849**, and **9.6583, 14.1991, 12.3569** is the 20% darker color. If you saturate the color by 10%, you get **22.5791, 32.4755, 27.9619**, and if you desaturate by 10%, it is **27.5546, 34.9172, 33.7657**.

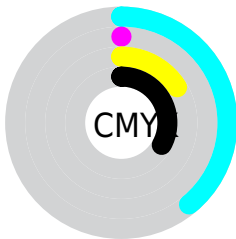
Distribution



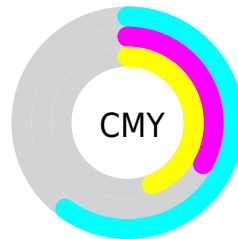
- Red (40%)
- Green (67%)
- Blue (56%)



- Red (40%)
- Yellow (57%)
- Blue (67%)



- Cyan (39%)
- Magenta (0%)
- Yellow (16%)
- Black (33%)



- Cyan (60%)
- Magenta (33%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.8507, 33.5860, 30.7642 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 24.8507, 33.5860, 30.7642 by changing the saturation by 10% instead.

■ 24.8507, 33.5860,
30.7642

■ 24.8507, 33.5860,
30.7642

269.4550,
318.2821, 319.7680

■ 16.0940, 22.5757,
20.1624

■ 50.8596, 65.2893,
61.9439

■ 9.6820, 14.2806,
12.3279

■ 68.8424, 86.7512,
83.3588

■ 5.2492, 8.3161,
6.8422

■ 90.6314, 112.4657,
109.2152

■ 2.4305, 4.2978,
3.2866

■ 116.5918,
142.8173, 139.9316

■ 0.8603, 1.8415,
1.2428

147.0890,
178.1904, 175.9265

■ 0.0000, 0.5129,
0.0142

182.4883,

■ 0.0000, 0.0000,

218.9692, 217.6186

0.0000

223.1552,
265.5383, 265.4262

■ 24.8507, 33.5860,
30.7642

■ 24.8507, 33.5860,
30.7642

■ 22.5791, 32.4755,
27.9619

■ 27.5546, 34.9172,
33.7657

■ 20.7122, 31.5689,
25.3520

■ 30.7109, 36.4767,
36.9684

■ 19.2236, 30.8536,
22.9308

■ 34.3415, 38.2766,
40.3772

■ 18.0820, 30.3134,
20.6932

■ 38.4661, 40.3272,
43.9959

■ 17.2512, 29.9298,
18.6339

■ 43.1035, 42.6378,
47.8284

■ 16.6578, 29.6651,
16.7459

■ 48.2711, 45.2175,
51.8785

■ 16.6253, 29.6507,
16.6399

■ 53.9858, 48.0749,
56.1498

■ 60.2636, 51.2182,
60.6457

■ 66.7493, 54.4643,
65.3523

Harmonies

Analogous

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



26.6705, 33.5860, 22.5696



24.8507, 33.5860, 30.7642



24.8127, 33.5860, 42.5296

Triad

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



24.8507, 33.5860, 30.7642



33.9409, 33.5860, 63.4113



37.9599, 33.5860, 22.8252

Complementary

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



24.8507, 33.5860, 30.7642



25.5256, 19.8860, 23.9669

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.



40.2751, 33.5860, 31.1939



24.8507, 33.5860, 30.7642



37.8223, 33.5860, 55.4143

Square

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



24.8507, 33.5860, 30.7642



29.8253, 33.5860, 63.2259



40.2227, 33.5860, 43.0626



34.1158, 33.5860, 18.7085

Rectangle

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



24.8507, 33.5860, 30.7642



25.7903, 33.5860, 51.0180



40.2227, 33.5860, 43.0626



38.9570, 33.5860, 25.1441

Sweetspot

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



24.8516, 33.5874, 30.7650



60.3694, 68.4847, 71.4838



26.3449, 34.6384, 18.1297



13.2746, 15.1791, 15.7666



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



24.8516, 33.5874, 30.7650



41.5592, 59.2105, 51.5017



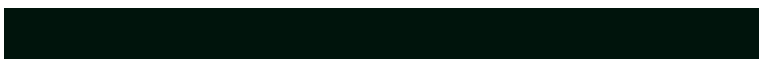
26.4018, 32.8903, 42.9888



7.6129, 8.4782, 8.9479



12.2575, 21.8218, 12.3888



0.3229, 0.5408, 0.4312

Inverse Universe

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



25.5256, 19.8860, 23.9669



42.9543, 30.9430, 37.4997



24.3332, 20.1390, 15.4371



7.6563, 7.5924, 8.5072



13.0590, 6.6323, 5.1222



0.3434, 0.1716, 0.2599

Previews

White Background



This preview shows how the XYZ color 24.8507, 33.5860, 30.7642 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 24.8507, 33.5860, 30.7642 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 ✓ Pass

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

XYZ 24.8507, 33.5860, 30.7642

Background



This preview shows how black text looks on a background with the XYZ color 24.8507, 33.5860, 30.7642.



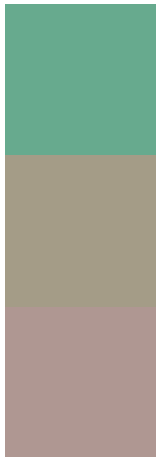
This preview shows how white text looks on a background with the XYZ color 24.8507, 33.5860,

30.7642.

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

24.8507, 33.5860, 30.7642

Protanopia

31.5715, 33.4187, 27.7081

Deuteranopia

33.9341, 33.3225, 31.8375



Tritanopia

28.1731, 33.5694, 47.1141

Trichromacy



Original Color

24.8507, 33.5860, 30.7642

Protanomaly

28.4876, 33.0755, 28.9275

Deuteranomaly

29.7321, 32.8876, 31.5690

Tritanomaly

26.9169, 33.6053, 40.6651

Monochromacy



Original Color

24.8507, 33.5860, 30.7642

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

26.1923, 30.3123, 31.2584

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.8507, 33.5860, 30.7642 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(103, 170, 142)` looks like.

```
.text, #text, p{  
    color:rgb(103, 170, 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(103, 170, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 170, 142) }
```

Border

The CSS property to change the border of an element to XYZ 24.8507, 33.5860, 30.7642 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(103, 170, 142) }
```


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

```
.border{ border-color:rgb(103, 170, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 170, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 170, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 170, 142);  
box-shadow:4px 4px 4px 4px rgb(103, 170,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 24.8507, 33.5860, 30.7642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 170, 142) }
```

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

```
.background{ background-color: rgb(103,  
170, 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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