

Converting Colors

XYZ(25.4587, 33.4789, 62.2470)

Have a look what the booklet for
XYZ(25.4587, 33.4789, 62.2470)
contains.

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Color

**XYZ(25.4620, 33.4855,
62.2481)**

Conversions

Conversions Part 1

Format	Color
Hex	00ABCC
RGB	0, 171, 204
RGB Percent	0%, 67%, 80%
CMY	0.9998, 0.3294, 0.2000
CMYK	1.00, 0.16, 0.00, 0.20
HSL	190°, 100%, 40%
HSV	190°, 100%, 80%
XYZ	25.4620, 33.4855, 62.2481
YIQ	123.6330, -112.5090, -25.9890

Conversions

Conversions Part 2

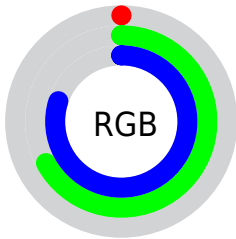
Format	Color
RYB	0, 93, 204
Decimal	43980
CIELab	64.55, -24.89, -27.11
CIELCh	65, 36.800, 227.447
Yxy	33.4855, 0.2101, 0.2763
Android (android.graphics.Color)	4278234060 (0xFF00ABCC)
YUV	123.6330, 39.6209, -108.4261
Hunter-Lab	57.8667, -22.7246, -23.2726

Details

The XYZ color **25.4620, 33.4855, 62.2481** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **25.4474, 13.9277, 1.3484**, and the grayscale version is **18.9404, 19.9268, 21.7002**.

A 20% lighter version of the original color is **50.9986, 64.9830, 104.4628**, and **11.9835, 15.1589, 31.1485** is the 20% darker color. If you saturate the color by 10%, you get **25.4612, 33.4837, 62.2485**, and if you desaturate by 10%, it is **26.3915, 34.9024, 62.4733**.

Distribution



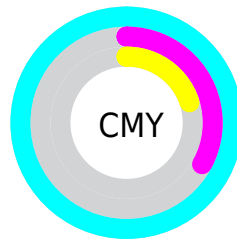
- Red (0%)
- Green (67%)
- Blue (80%)



- Red (0%)
- Yellow (36%)
- Blue (80%)



- Cyan (100%)
- Magenta (16%)
- Yellow (0%)
- Black (20%)



- Cyan (100%)
- Magenta (33%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.4620, 33.4855, 62.2481 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 25.4620, 33.4855, 62.2481 by changing the saturation by 10% instead.

■ 25.4620, 33.4855,
62.2481

■ 25.4620, 33.4855,
62.2481

■ 272.4364,
317.8318, 450.8681

■ 16.5522, 22.4986,
44.7961

■ 51.8433, 65.1328,
109.6591

■ 10.0090, 14.2237,
30.9551

■ 70.0454, 86.5620,
140.4552

■ 5.4673, 8.2764,
20.3065

■ 92.0756, 112.2407,
176.5364

■ 2.5615, 4.2723,
12.4317

■ 118.2994,
142.5534, 218.3213

■ 0.9264, 1.8270,
6.9123

■ 149.0820,
177.8845, 266.2283

■ 0.0000, 0.5039,
3.3297

184.7888,

■ 0.0000, 0.0000,

218.6183, 320.6761

1.2654

225.7851,
265.1393, 382.0832

■ 0.0000, 0.0000,
0.0331

■ 0.0000, 0.0000,
0.0000

■ 25.4620, 33.4855,
62.2481

■ 25.4620, 33.4855,
62.2481

■ 25.4612, 33.4837,
62.2485

■ 26.3915, 34.9024,
62.4733

■ 27.6491, 36.5111,
62.7175

■ 29.3432, 38.3683,
62.9867

■ 31.5311, 40.5037,
63.2835

■ 34.2615, 42.9425,
63.6104

■ 37.5769, 45.7068,
63.9692

■ 41.5156, 48.8165,
64.3618

■ 46.1125, 52.2897,
64.7899

■ 51.4000, 56.1434,
65.2551

Harmonies

Analogous

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



23.1160, 33.4855, 45.8580



25.4620, 33.4855, 62.2481



29.6777, 33.4855, 72.6969

Triad

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



25.4620, 33.4855, 62.2481



42.7620, 33.4855, 43.1291



28.8883, 33.4855, 15.2112

Complementary

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



25.4620, 33.4855, 62.2481



25.4474, 13.9277, 1.3484

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.



34.0776, 33.4855, 14.8564



25.4620, 33.4855, 62.2481



42.4903, 33.4855, 28.4427

Square

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



25.4620, 33.4855, 62.2481



39.8788, 33.4855, 59.7821



39.1730, 33.4855, 19.0064



24.9391, 33.4855, 20.1623

Rectangle

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



25.4620, 33.4855, 62.2481



33.1566, 33.4855, 73.4096



39.1730, 33.4855, 19.0064



30.5334, 33.4855, 14.6113

Sweetspot

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



25.4631, 33.4867, 62.2489



68.4629, 80.6199, 106.5606



21.8362, 43.2835, 8.4751



14.0338, 16.7720, 22.7476



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



25.4631, 33.4867, 62.2489



42.0315, 55.1831, 103.0438



13.1804, 8.9212, 58.1547



11.3827, 12.4059, 14.3650



16.0829, 21.1898, 39.1987



0.8721, 1.1779, 2.0363

Inverse Universe

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



32.2535, 15.7788, 39.8749



53.3448, 26.1019, 65.6729



33.2374, 29.5078, 3.9450



11.6066, 11.3714, 13.7287



20.3288, 9.9421, 25.2480



1.0701, 0.5215, 1.4151

Previews

White Background



This preview shows how the XYZ color 25.4620, 33.4855, 62.2481 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 25.4620, 33.4855, 62.2481 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 25.4620, 33.4855, 62.2481

Background



This preview shows how black text looks on a background with the XYZ color 25.4620, 33.4855, 62.2481.

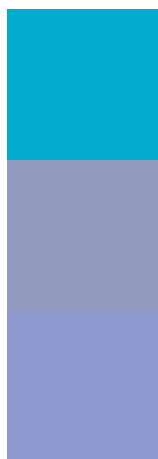


This preview shows how white text looks on a background with the XYZ color 25.4620, 33.4855,

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

25.4620, 33.4855, 62.2481

Protanopia

33.1027, 33.1200, 54.5173

Deuteranopia

33.9317, 33.0873, 64.2726



Tritanopia

23.9132, 33.4750, 52.2147

Trichromacy



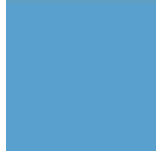
Original Color

25.4620, 33.4855, 62.2481



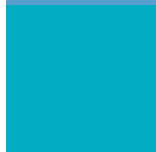
Protanomaly

27.1507, 31.5068, 56.8750



Deuteranomaly

28.0497, 31.8203, 63.6950



Tritanomaly

24.3782, 33.3553, 55.6054

Monochromacy



Original Color

25.4620, 33.4855, 62.2481



Achromatopsia

19.1579, 20.1556, 21.9495



Achromatomaly

18.4991, 23.0119, 33.6037

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.4620, 33.4855, 62.2481 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(0, 171, 204)` looks like.

```
.text, #text, p{  
    color:rgb(0, 171, 204)  
}
```

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(0, 171, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 171, 204) }
```

Border

The CSS property to change the border of an element to XYZ 25.4620, 33.4855, 62.2481 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(0, 171, 204) }
```


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

```
.border{ border-color:rgb(0, 171, 204) }
```

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

Here you see how a box with a 4 pixel rgb(0, 171, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 171, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 171, 204);  
box-shadow:4px 4px 4px 4px rgb(0, 171,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 25.4620, 33.4855, 62.2481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 171, 204) }
```

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

```
.background{ background-color: rgb(0, 171,  
204) }
```

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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