

Converting Colors

XYZ(23.8829, 32.6025, 31.2843)

Have a look what the booklet for
XYZ(23.8829, 32.6025, 31.2843)
contains.

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Color

**XYZ(23.8605, 32.5057,
31.4022)**

Conversions

Conversions Part 1

Format	Color
Hex	60A890
RGB	96, 168, 144
RGB Percent	38%, 66%, 56%
CMY	0.6235, 0.3412, 0.4353
CMYK	0.43, 0.00, 0.14, 0.34
HSL	160°, 29%, 52%
HSV	160°, 43%, 66%
XYZ	23.8605, 32.5057, 31.4022
YIQ	143.7360, -35.2080, -22.7280

Conversions

Conversions Part 2

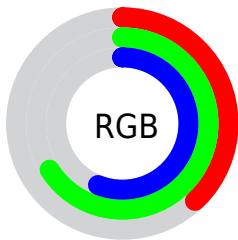
Format	Color
RYB	96, 139, 168
Decimal	6334608
CIELab	63.76, -28.37, 5.38
CIElCh	64, 28.876, 169.270
Yxy	32.5057, 0.2719, 0.3704
Android (android.graphics.Color)	4284524688 (0xFF60A890)
YUV	143.7360, 0.1302, -41.8645
Hunter-Lab	57.0138, -25.0711, 7.2537

Details

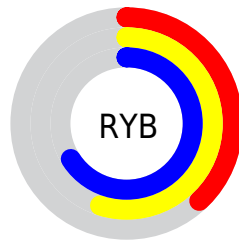
The XYZ color **23.8605, 32.5057, 31.4022** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **23.7225, 18.0473, 20.0036**, and the grayscale version is **26.4134, 27.7889, 30.2622**.

A 20% lighter version of the original color is **49.4264, 63.8726, 63.1497**, and **9.1060, 13.5619, 12.7274** is the 20% darker color. If you saturate the color by 10%, you get **21.8610, 31.5240, 29.1298**, and if you desaturate by 10%, it is **26.2608, 33.6933, 33.8057**.

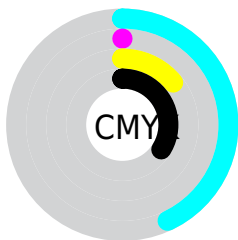
Distribution



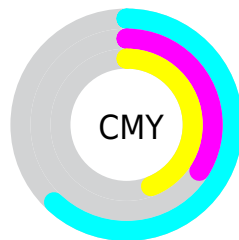
- Red (38%)
- Green (66%)
- Blue (56%)



- Red (38%)
- Yellow (55%)
- Blue (66%)



- Cyan (43%)
- Magenta (0%)
- Yellow (14%)
- Black (34%)



- Cyan (62%)
- Magenta (34%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.8605, 32.5057, 31.4022 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 23.8605, 32.5057, 31.4022 by changing the saturation by 10% instead.

■ 23.8605, 32.5057,
31.4022

■ 23.8605, 32.5057,
31.4022

264.5680,
313.4165, 322.7954

■ 15.3543, 21.7481,
20.6443

■ 49.2588, 63.6030,
62.9597

■ 9.1564, 13.6719,
12.6755

■ 66.8816, 84.7115,
84.5964

■ 4.9013, 7.8928,
7.0774

■ 88.2741, 110.0390,
110.6964

■ 2.2236, 4.0264,
3.4314

■ 113.8015,
139.9700, 141.6783

■ 0.7551, 1.6884,
1.3189

143.8293,
174.8889, 177.9606

■ 0.0000, 0.4161,
0.0772

178.7227,

■ 0.0000, 0.0000,

215.1800, 219.9619

0.0000

218.8472,
261.2277, 268.1006

■ 23.8605, 32.5057,
31.4022

■ 23.8605, 32.5057,
31.4022

■ 21.8610, 31.5240,
29.1298

■ 26.2608, 33.6933,
33.8057

■ 20.2349, 30.7316,
26.9834

■ 29.0816, 35.0943,
36.3405

■ 18.9559, 30.1156,
24.9609


■ 32.3446, 36.7207,
39.0101


■ 17.9924, 29.6600,
23.0592

■ 36.0690, 38.5824,
41.8166


■ 17.3072, 29.3456,
21.2748


■ 40.2731, 40.6888,
44.7626

 16.9278, 29.1763,
20.0684

 44.9739, 43.0487,
47.8501

 50.1878, 45.6705,
51.0814

 55.9303, 48.5621,
54.4586

 62.2163, 51.7311,
57.9838

Harmonies

Analogous

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



25.3637, 32.5057, 22.7473



23.8605, 32.5057, 31.4022



24.1140, 32.5057, 43.2731

Triad

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



23.8605, 32.5057, 31.4022



33.5368, 32.5057, 60.8879



36.2590, 32.5057, 21.0432

Complementary

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



23.8605, 32.5057, 31.4022



23.7225, 18.0473, 20.0036

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.



38.8428, 32.5057, 28.5331



23.8605, 32.5057, 31.4022



37.1787, 32.5057, 52.0257

Square

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



23.8605, 32.5057, 31.4022



29.4688, 32.5057, 62.1300



39.1934, 32.5057, 39.7087



32.3679, 32.5057, 17.6956

Rectangle

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



23.8605, 32.5057, 31.4022



25.2520, 32.5057, 51.4651



39.1934, 32.5057, 39.7087



37.3232, 32.5057, 23.0730

Sweetspot

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



23.8614, 32.5070, 31.4029



58.4507, 66.5120, 70.5973



24.0281, 32.9306, 16.1565



12.4511, 14.3527, 15.1581



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



23.8614, 32.5070, 31.4029



39.9736, 57.3520, 53.2284



23.9836, 29.4968, 41.4768



7.6396, 8.4889, 9.0884



12.8071, 22.0416, 15.2831



0.3338, 0.5452, 0.4890

Inverse Universe

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



23.7225, 18.0473, 20.0036



39.7000, 27.7539, 29.9477



23.4976, 19.6438, 13.6199



7.6304, 7.5820, 8.3710



12.7555, 6.5109, 3.5238



0.3340, 0.1679, 0.2101

Previews

White Background



This preview shows how the XYZ color 23.8605, 32.5057, 31.4022 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 23.8605, 32.5057, 31.4022 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

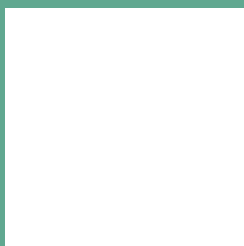
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.8605, 32.5057, 31.4022

Background



This preview shows how black text looks on a background with the XYZ color 23.8605, 32.5057, 31.4022.

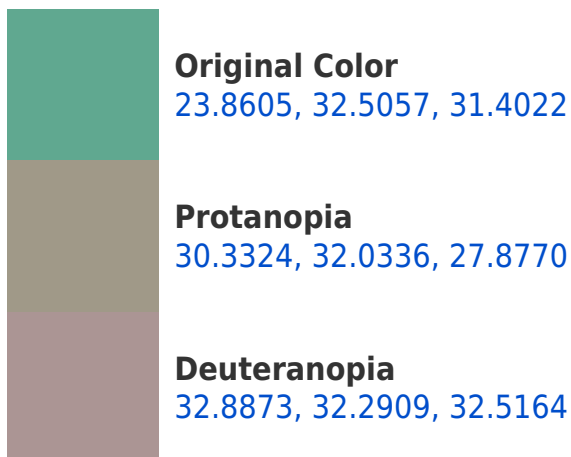


This preview shows how white text looks on a background with the XYZ color 23.8605, 32.5057,

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





Tritanopia

26.7419, 32.3118, 46.4223

Trichromacy



Original Color

23.8605, 32.5057, 31.4022

Protanomaly

27.2036, 31.6362, 29.0987

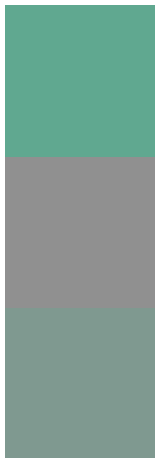
Deuteranomaly

28.6565, 31.8128, 32.2339

Tritanomaly

25.6135, 32.3936, 40.4999

Monochromacy



Original Color

23.8605, 32.5057, 31.4022

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

25.1777, 29.3081, 30.7156

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8605, 32.5057, 31.4022 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(96, 168, 144)` looks like.

```
.text, #text, p{  
    color:rgb(96, 168, 144)  
}
```

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(96, 168, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 168, 144) }
```

Border

The CSS property to change the border of an element to XYZ 23.8605, 32.5057, 31.4022 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(96, 168, 144) }
```


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

```
.border{ border-color:rgb(96, 168, 144) }
```

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

Here you see how a box with a 4 pixel rgb(96, 168, 144) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 168, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 168, 144);  
box-shadow:4px 4px 4px 4px rgb(96, 168,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8605, 32.5057, 31.4022 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 168, 144) }
```

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

```
.background{ background-color: rgb(96, 168,  
144) }
```

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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