

Converting Colors

XYZ(23.4258, 29.6811, 42.5246)

Have a look what the booklet for
XYZ(23.4258, 29.6811, 42.5246)
contains.

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Color

**XYZ(23.4001, 29.6298,
42.5160)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 559FAA |
| RGB | 85, 159, 170 |
| RGB Percent | 33%, 62%, 67% |
| CMY | 0.6667, 0.3765, 0.3333 |
| CMYK | 0.50, 0.06, 0.00, 0.33 |
| HSL | 188°, 33%, 50% |
| HSV | 188°, 50%, 67% |
| XYZ | 23.4001, 29.6298, 42.5160 |
| YIQ | 138.1280, -47.6350, -12.2670 |

Conversions

Conversions Part 2

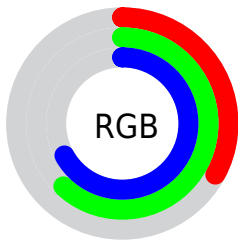
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 85, 125, 170 |
| Decimal | 5611434 |
| CIE _{Lab} | 61.33, -19.96, -12.85 |
| CIE _{LCh} | 61, 23.738, 212.770 |
| Yxy | 29.6298, 0.2449, 0.3101 |
| Android (android.graphics.Color) | 4283801514 (0xFF559FAA) |
| YUV | 138.1280, 15.7129, -46.5933 |
| Hunter-Lab | 54.4333, -18.5235, -8.2062 |

Details

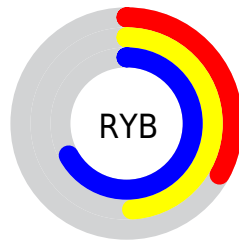
The XYZ color **23.4001, 29.6298, 42.5160** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **22.4007, 17.5682, 10.8054**, and the grayscale version is **24.1620, 25.4203, 27.6827**.

A 20% lighter version of the original color is **48.4524, 59.1048, 80.0888**, and **8.8811, 12.0056, 18.9888** is the 20% darker color. If you saturate the color by 10%, you get **21.6636, 28.1786, 42.3280**, and if you desaturate by 10%, it is **25.5160, 31.2878, 42.7250**.

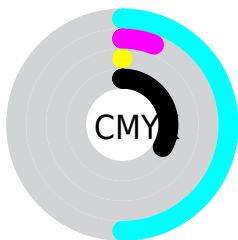
Distribution



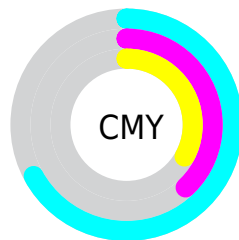
- Red (33%)
- Green (62%)
- Blue (67%)



- Red (33%)
- Yellow (49%)
- Blue (67%)



- Cyan (50%)
- Magenta (6%)
- Yellow (0%)
- Black (33%)



- Cyan (67%)
- Magenta (38%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.4001, 29.6298, 42.5160 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 23.4001, 29.6298, 42.5160 by changing the saturation by 10% instead.

■ 23.4001, 29.6298,
42.5160

■ 23.4001, 29.6298,
42.5160

262.2705,
300.1750, 372.4801

■ 15.0115, 19.5578,
29.1770

■ 48.5113, 59.0762,
80.2585

■ 8.9138, 12.0740,
18.9680

■ 65.9646, 79.2194,
105.4990

■ 4.7417, 6.7941,
11.4706

■ 87.1703, 103.4885,
135.5438

■ 2.1297, 3.3337,
6.2662

■ 112.4936,
132.2677, 170.8113

■ 0.7053, 1.3083,
2.9362

142.2999,
165.9416, 211.7202

■ 0.0000, 0.1476,
1.0621

176.9546,

■ 0.0000, 0.0000,

204.8945, 258.6889

0.0000

216.8230,
249.5109, 312.1360

■ 23.4001, 29.6298,
42.5160

■ 23.4001, 29.6298,
42.5160

■ 21.6636, 28.1786,
42.3280

■ 25.5160, 31.2878,
42.7250

■ 20.2766, 26.9170,
42.1575

■ 28.0328, 33.1619,
42.9541

■ 19.2094, 25.8301,
42.0040

■ 30.9737, 35.2648,
43.2050

■ 18.4259, 24.8992,
41.8656

■ 34.3595, 37.6071,
43.4787

■ 17.8463, 24.0833,
41.7387

■ 38.2092, 40.1988,
43.7760

■ 17.8462, 24.0832,
41.7386

■ 42.5412, 43.0493,
44.0979

■ 47.3724, 46.1676,
44.4452

■ 52.7193, 49.5619,
44.8185

■ 58.5973, 53.2405,
45.2188

Harmonies

Analogous

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



22.5700, 29.6298, 33.1017



23.4001, 29.6298, 42.5160



25.4980, 29.6298, 50.1366

Triad

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



23.4001, 29.6298, 42.5160



33.8579, 29.6298, 40.8058



27.8725, 29.6298, 17.9301

Complementary

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



23.4001, 29.6298, 42.5160



22.4007, 17.5682, 10.8054

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.



31.0059, 29.6298, 19.2379



23.4001, 29.6298, 42.5160



34.6094, 29.6298, 31.4362

Square

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



23.4001, 29.6298, 42.5160



31.5459, 29.6298, 49.0276



33.5302, 29.6298, 23.8051



25.0296, 29.6298, 19.8339

Rectangle

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



23.4001, 29.6298, 42.5160



27.4118, 29.6298, 52.5526



33.5302, 29.6298, 23.8051



28.9262, 29.6298, 18.0092

Sweetspot

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



23.4010, 29.6309, 42.5167



58.9984, 65.9367, 78.6194



20.1835, 31.5061, 15.8249



12.8813, 14.5127, 17.5100



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.



23.4010, 29.6309, 42.5167



39.0016, 50.8608, 76.7634



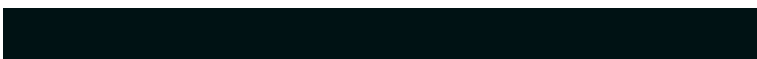
17.4322, 17.6933, 40.5271



7.6635, 8.3640, 9.6288



13.1563, 17.7729, 30.7126



0.3423, 0.4768, 0.7546

Inverse Universe

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



26.0848, 17.5470, 34.8141



44.6034, 26.9972, 60.3812



27.2229, 27.2127, 12.4128



7.7995, 7.6497, 9.2614



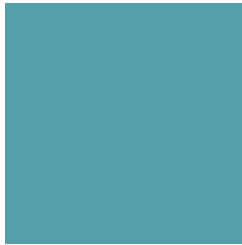
16.1413, 7.8652, 21.3535



0.4039, 0.1958, 0.5786

Previews

White Background



This preview shows how the XYZ color 23.4001, 29.6298, 42.5160 looks on a white background.

Color Contrast Check

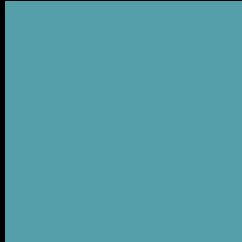
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.4001, 29.6298, 42.5160 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

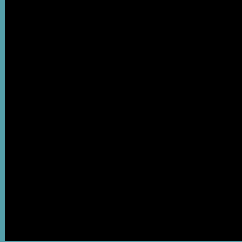
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.4001, 29.6298, 42.5160

Background



This preview shows how black text looks on a background with the XYZ color 23.4001, 29.6298, 42.5160.

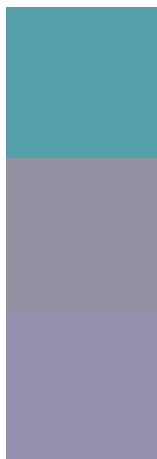


This preview shows how white text looks on a background with the XYZ color 23.4001, 29.6298,

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

23.4001, 29.6298, 42.5160

Protanopia

28.6545, 29.2774, 38.3233

Deuteranopia

29.9105, 29.3532, 43.6244



Tritanopia

23.6823, 29.7533, 43.5245

Trichromacy



Original Color

23.4001, 29.6298, 42.5160

Protanomaly

26.1703, 29.1349, 39.8416

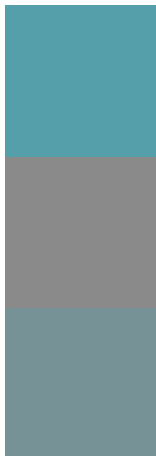
Deuteranomaly

26.7980, 28.9091, 43.1973

Tritanomaly

23.5866, 29.7150, 43.0205

Monochromacy



Original Color

23.4001, 29.6298, 42.5160

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

23.3917, 26.6817, 32.7714

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.4001, 29.6298, 42.5160 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(85, 159, 170)` looks like.

```
.text, #text, p{  
    color:rgb(85, 159, 170)  
}
```

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(85, 159, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 159, 170) }
```

Border

The CSS property to change the border of an element to XYZ 23.4001, 29.6298, 42.5160 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(85, 159, 170) }
```


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

```
.border{ border-color:rgb(85, 159, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 159, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 159, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 159, 170);  
box-shadow:4px 4px 4px 4px rgb(85, 159,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 23.4001, 29.6298, 42.5160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 159, 170) }
```

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

```
.background{ background-color: rgb(85, 159,  
170) }
```

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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