

Converting Colors

XYZ(24.1191, 33.1243, 42.5274)

Have a look what the booklet for
XYZ(24.1191, 33.1243, 42.5274)
contains.

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Color

**XYZ(24.2501, 33.2925,
42.6841)**

Conversions

Conversions Part 1

Format	Color
Hex	46ABA9
RGB	70, 171, 169
RGB Percent	27%, 67%, 66%
CMY	0.7255, 0.3294, 0.3373
CMYK	0.59, 0.00, 0.01, 0.33
HSL	179°, 42%, 47%
HSV	179°, 59%, 67%
XYZ	24.2501, 33.2925, 42.6841
YIQ	140.5730, -59.5540, -22.0340

Conversions

Conversions Part 2

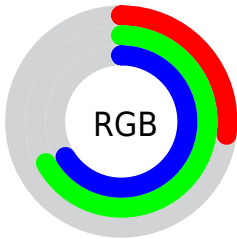
Format	Color
RYB	70, 121, 171
Decimal	4631465
CIELab	64.40, -29.42, -7.76
CIELCh	64, 30.422, 194.776
Yxy	33.2925, 0.2420, 0.3322
Android (android.graphics.Color)	4282821545 (0xFF46ABA9)
YUV	140.5730, 14.0145, -61.8925
Hunter-Lab	57.6997, -25.9541, -3.4708

Details

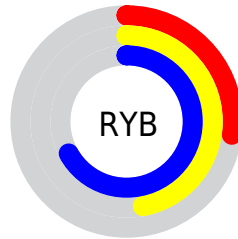
The XYZ color **24.2501, 33.2925, 42.6841** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **20.1555, 13.5071, 7.6767**, and the grayscale version is **25.1150, 26.4229, 28.7746**.

A 20% lighter version of the original color is **49.9769, 64.9871, 80.4307**, and **9.6893, 14.2412, 19.0678** is the 20% darker color. If you saturate the color by 10%, you get **23.1564, 32.7331, 42.4678**, and if you desaturate by 10%, it is **25.6971, 34.0355, 42.9189**.

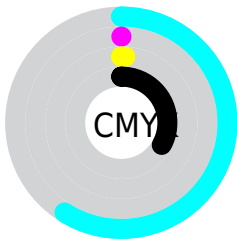
Distribution



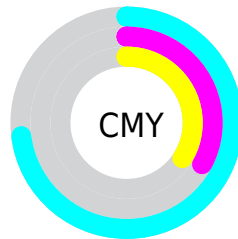
- Red (27%)
- Green (67%)
- Blue (66%)



- Red (27%)
- Yellow (47%)
- Blue (67%)



- Cyan (59%)
- Magenta (0%)
- Yellow (1%)
- Black (33%)





- Cyan (73%)
- Magenta (33%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.2501, 33.2925, 42.6841 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 24.2501, 33.2925, 42.6841 by changing the saturation by 10% instead.


 24.2501, 33.2925,
42.6841


 24.2501, 33.2925,
42.6841


266.4995,
316.9657, 373.1940


 15.6450, 22.3506,
29.3078


 49.8897, 64.8319,
80.5152


 9.3625, 14.1148,
19.0662


 67.6550, 86.1983,
105.8070


 5.0374, 8.2005,
11.5408


 89.2043, 111.8082,
135.9077

 2.3042, 4.2235,
6.3131

 114.9030,
142.0461, 171.2359

 0.7968, 1.7994,
2.9645

 145.1166,
177.2964, 212.2101

 0.0000, 0.4868,
1.0766

180.2103,

 0.0000, 0.0000,

217.9435, 259.2488

0.0000

220.5495,
264.3718, 312.7706

■ 24.2501, 33.2925,
42.6841

■ 24.2501, 33.2925,
42.6841

■ 23.1564, 32.7331,
42.4678

■ 25.6971, 34.0355,
42.9189

■ 22.3822, 32.3377,
42.2661

■ 27.5215, 34.9724,
43.1710

■ 21.8927, 32.0890,
42.0781

■ 29.7488, 36.1169,
43.4424

■ 21.6184, 31.9512,
41.9007

■ 32.4014, 37.4806,
43.7342

■ 21.5954, 31.9397,
41.8842

■ 35.5000, 39.0743,
44.0472

■ 39.0640, 40.9079,
44.3825

■ 43.1117, 42.9908,
44.7408

■ 47.6604, 45.3320,
45.1231

■ 52.7264, 47.9399,
45.5299

Harmonies

Analogous

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



24.2642, 33.2925, 30.3369



24.2501, 33.2925, 42.6841



26.0888, 33.2925, 55.7928

Triad

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



24.2501, 33.2925, 42.6841



37.8837, 33.2925, 55.9687



33.8827, 33.2925, 17.7530

Complementary

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



24.2501, 33.2925, 42.6841



20.1555, 13.5071, 7.6767

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.



37.9356, 33.2925, 21.9041



24.2501, 33.2925, 42.6841



40.3851, 33.2925, 42.8852

Square

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



24.2501, 33.2925, 42.6841



33.8169, 33.2925, 64.5713



40.4049, 33.2925, 30.4971



29.5653, 33.2925, 17.7231

Rectangle

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



24.2501, 33.2925, 42.6841



28.2233, 33.2925, 62.4116



40.4049, 33.2925, 30.4971



35.3295, 33.2925, 18.6616

Sweetspot

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



24.2511, 33.2938, 42.6849



58.4122, 67.3215, 78.3632



18.4449, 31.0002, 10.8065



12.7036, 14.8471, 17.4412



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.



24.2511, 33.2938, 42.6849



40.9682, 58.3644, 75.9366



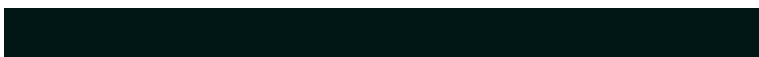
17.0684, 18.6254, 41.2250



8.2294, 9.0693, 10.2329



16.2816, 24.0779, 31.5862



0.4550, 0.6707, 0.8898

Inverse Universe

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



20.1555, 13.5071, 7.6767



32.9576, 19.6215, 7.4328



24.2781, 21.8550, 8.7339



8.0114, 8.0178, 8.3711



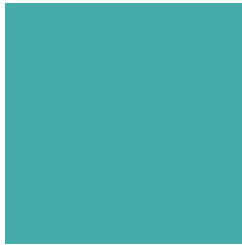
12.6770, 6.5333, 0.6785



0.3547, 0.1826, 0.0296

Previews

White Background



This preview shows how the XYZ color 24.2501, 33.2925, 42.6841 looks on a white background.

Color Contrast Check

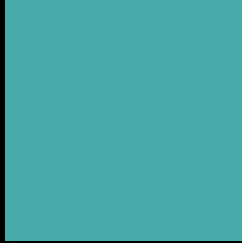
Large Text (above 18pt) WCAG AA × Fail

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 24.2501, 33.2925, 42.6841 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

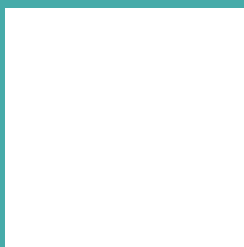
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.2501, 33.2925, 42.6841

Background



This preview shows how black text looks on a background with the XYZ color 24.2501, 33.2925, 42.6841.

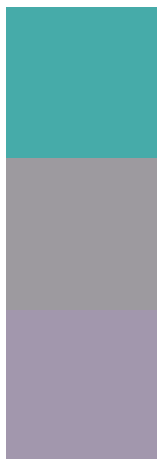


This preview shows how white text looks on a background with the XYZ color 24.2501, 33.2925,

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

24.2501, 33.2925, 42.6841

Protanopia

31.7182, 32.7825, 37.4568

Deuteranopia

33.5097, 32.8317, 44.1062



Tritanopia

25.7157, 33.3313, 49.8780

Trichromacy



Original Color

24.2501, 33.2925, 42.6841

Protanomaly

27.6391, 32.1459, 39.3984

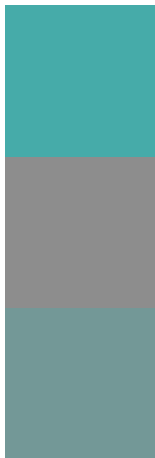
Deuteranomaly

28.7265, 32.0994, 43.7115

Tritanomaly

25.2346, 33.4196, 47.2401

Monochromacy



Original Color

24.2501, 33.2925, 42.6841

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

23.8844, 28.3357, 33.4886

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.2501, 33.2925, 42.6841 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(70, 171, 169)` looks like.

```
.text, #text, p{  
    color:rgb(70, 171, 169)  
}
```

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(70, 171, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 171, 169) }
```

Border

The CSS property to change the border of an element to XYZ 24.2501, 33.2925, 42.6841 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(70, 171, 169) }
```


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

```
.border{ border-color:rgb(70, 171, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 171, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 171, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 171, 169);  
box-shadow:4px 4px 4px 4px rgb(70, 171,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 24.2501, 33.2925, 42.6841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 171, 169) }
```

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

```
.background{ background-color: rgb(70, 171,  
169) }
```

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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