

Converting Colors

XYZ(24.3357, 31.1752, 48.0019)

Have a look what the booklet for
XYZ(24.3357, 31.1752, 48.0019)
contains.

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Color

**XYZ(24.4153, 31.3421,
47.9428)**

Conversions

Conversions Part 1

Format	Color
Hex	4BA4B4
RGB	75, 164, 180
RGB Percent	29%, 64%, 71%
CMY	0.7059, 0.3569, 0.2941
CMYK	0.58, 0.09, 0.00, 0.29
HSL	189°, 41%, 50%
HSV	189°, 58%, 71%
XYZ	24.4153, 31.3421, 47.9428
YIQ	139.2130, -58.1800, -13.8920

Conversions

Conversions Part 2

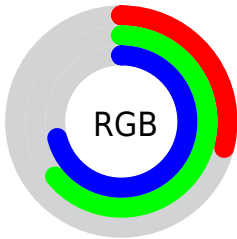
Format	Color
RYB	75, 123, 180
Decimal	4957364
CIELab	62.80, -21.79, -16.30
CIELCh	63, 27.215, 216.795
Yxy	31.3421, 0.2354, 0.3022
Android (android.graphics.Color)	4283147444 (0xFF4BA4B4)
YUV	139.2130, 20.1080, -56.3148
Hunter-Lab	55.9840, -20.1260, -11.5851

Details

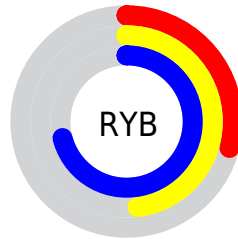
The XYZ color **24.4153, 31.3421, 47.9428** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **23.8341, 17.6941, 8.8165**, and the grayscale version is **24.5646, 25.8438, 28.1439**.

A 20% lighter version of the original color is **50.1447, 61.7057, 88.6244**, and **9.6249, 13.1206, 22.1039** is the 20% darker color. If you saturate the color by 10%, you get **22.7163, 29.7461, 47.7249**, and if you desaturate by 10%, it is **26.5251, 33.1670, 48.1844**.

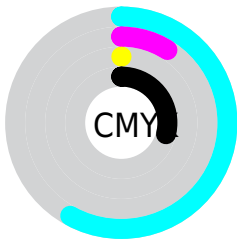
Distribution



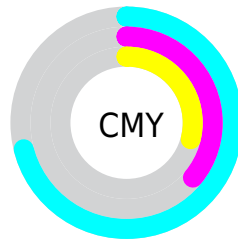
- Red (29%)
- Green (64%)
- Blue (71%)



- Red (29%)
- Yellow (48%)
- Blue (71%)



- Cyan (58%)
- Magenta (9%)
- Yellow (0%)
- Black (29%)



- Cyan (71%)
- Magenta (36%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.4153, 31.3421, 47.9428 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 24.4153, 31.3421, 47.9428 by changing the saturation by 10% instead.

■ 24.4153, 31.3421,
47.9428

■ 24.4153, 31.3421,
47.9428

267.3151,
308.1113, 395.0675

■ 15.7684, 20.8595,
33.4219

■ 50.1568, 61.7783,
88.4839

■ 9.4502, 13.0213,
22.1761

■ 67.9821, 82.5006,
115.3412

■ 5.0954, 7.4432,
13.7868

■ 89.5976, 107.4050,
147.1477

■ 2.3387, 3.7408,
7.8355

■ 115.3686,
136.8758, 184.3220

■ 0.8144, 1.5297,
3.9036

■ 145.6605,
171.2975, 227.2826

■ 0.0000, 0.3095,
1.5726

180.8387,

■ 0.0000, 0.0000,

211.0543, 276.4480

0.2712

221.2684,
256.5308, 332.2368

■ 0.0000, 0.0000,
0.0000

■ 24.4153, 31.3421,
47.9428

■ 24.4153, 31.3421,
47.9428

■ 22.7163, 29.7461,
47.7249

■ 26.5251, 33.1670,
48.1844

■ 21.3905, 28.3574,
47.5267

■ 29.0734, 35.2330,
48.4489

■ 20.3984, 27.1562,
47.3471

■ 32.0888, 37.5558,
48.7383

■ 19.6724, 26.1077,
47.1830

■ 35.5966, 40.1484,
49.0538

■ 19.5600, 25.9387,
47.1563

■ 39.6204, 43.0231,
49.3966

■ 44.1820, 46.1913,
49.7677

■ 49.3022, 49.6637,
50.1681

■ 55.0005, 53.4505,
50.5987

■ 61.2955, 57.5614,
51.0604

Harmonies

Analogous

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



23.2297, 31.3421, 36.6106



24.4153, 31.3421, 47.9428



27.0562, 31.3421, 56.6595

Triad

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



24.4153, 31.3421, 47.9428



36.8681, 31.3421, 42.8619



28.9505, 31.3421, 17.5437

Complementary

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



24.4153, 31.3421, 47.9428



23.8341, 17.6941, 8.8165

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.



32.7014, 31.3421, 18.5341



24.4153, 31.3421, 47.9428



37.4813, 31.3421, 31.7568

Square

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



24.4153, 31.3421, 47.9428



34.2880, 31.3421, 53.3249



35.9001, 31.3421, 23.2573



25.7031, 31.3421, 20.1967

Rectangle

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



24.4153, 31.3421, 47.9428



29.3911, 31.3421, 58.9716



35.9001, 31.3421, 23.2573



30.1919, 31.3421, 17.4719

Sweetspot

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



24.4163, 31.3433, 47.9435



65.2581, 73.3148, 89.0063



21.1012, 34.8901, 15.4643



13.8146, 15.6354, 19.2121



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



24.4163, 31.3433, 47.9435



40.4335, 53.1764, 86.4276



16.9073, 16.3253, 45.4406



8.6302, 9.4065, 10.8671



13.6909, 18.1822, 32.9249



0.4605, 0.6316, 1.0459

Inverse Universe

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



28.0401, 17.4166, 37.0071



47.9233, 26.6543, 63.3164



29.9532, 29.9322, 10.8562



8.7933, 8.6240, 10.4098



17.1452, 8.3756, 21.7223



0.5545, 0.2695, 0.7625

Previews

White Background



This preview shows how the XYZ color 24.4153, 31.3421, 47.9428 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 24.4153, 31.3421, 47.9428 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

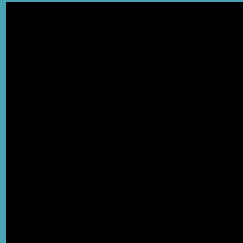
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 24.4153, 31.3421, 47.9428

Background



This preview shows how black text looks on a background with the XYZ color 24.4153, 31.3421, 47.9428.



This preview shows how white text looks on a background with the XYZ color 24.4153, 31.3421,

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

24.4153, 31.3421, 47.9428

Protanopia

30.4698, 31.0489, 42.9152

Deuteranopia

31.6361, 31.0301, 49.6694



Tritanopia

24.1354, 31.2211, 46.8737

Trichromacy



Original Color

24.4153, 31.3421, 47.9428

Protanomaly

27.2465, 30.5636, 44.5077

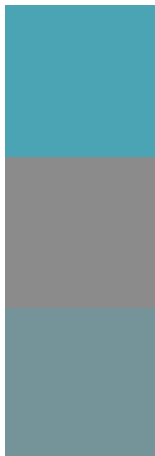
Deuteranomaly

28.1289, 30.6677, 49.2366

Tritanomaly

24.2362, 31.2614, 47.4045

Monochromacy



Original Color

24.4153, 31.3421, 47.9428

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

23.6251, 27.2259, 34.5818

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.4153, 31.3421, 47.9428 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(75, 164, 180)` looks like.

```
.text, #text, p{  
    color:rgb(75, 164, 180)  
}
```

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(75, 164, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 164, 180) }
```

Border

The CSS property to change the border of an element to XYZ 24.4153, 31.3421, 47.9428 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(75, 164, 180) }
```


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

```
.border{ border-color:rgb(75, 164, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 164, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 164, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 164, 180);  
box-shadow:4px 4px 4px 4px rgb(75, 164,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 24.4153, 31.3421, 47.9428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 164, 180) }
```

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

```
.background{ background-color: rgb(75, 164,  
180) }
```

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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