

# Converting Colors

XYZ(23.7437, 30.3078, 42.8928)

Have a look what the booklet for  
XYZ(23.7437, 30.3078, 42.8928)  
contains.

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# Color

**XYZ(23.7517, 30.3148,  
43.1276)**

# Conversions

## Conversions Part 1

Format	Color
Hex	54A1AB
RGB	84, 161, 171
RGB Percent	33%, 63%, 67%
CMY	0.6706, 0.3686, 0.3294
CMYK	0.51, 0.06, 0.00, 0.33
HSL	187°, 34%, 50%
HSV	187°, 51%, 67%
XYZ	23.7517, 30.3148, 43.1276
YIQ	139.1170, -49.1020, -13.2140

# Conversions

## Conversions Part 2

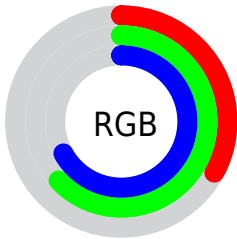
Format	Color
R <sub>Y</sub> B	84, 125, 171
Decimal	5546411
CIE Lab	61.92, -20.95, -12.53
CIE LCh	62, 24.407, 210.879
Yxy	30.3148, 0.2444, 0.3119
Android (android.graphics.Color)	4283736491 (0xFF54A1AB)
YUV	139.1170, 15.7183, -48.3376
Hunter-Lab	55.0589, -19.3504, -7.9006

# Details

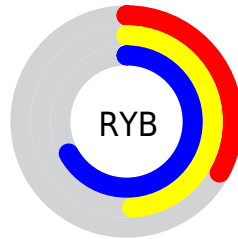
The XYZ color **23.7517, 30.3148, 43.1276** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **22.3982, 17.3041, 10.5478**, and the grayscale version is **24.5414, 25.8194, 28.1174**.

A 20% lighter version of the original color is **49.0986, 60.1782, 80.9793**, and **9.0869, 12.4179, 19.3707** is the 20% darker color. If you saturate the color by 10%, you get **22.0635, 28.9393, 42.9516**, and if you desaturate by 10%, it is **25.8208, 31.8960, 43.3243**.

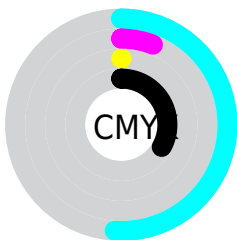
# Distribution



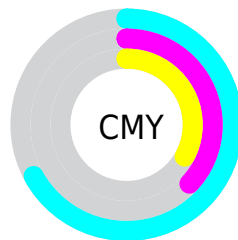
- Red (33%)
- Green (63%)
- Blue (67%)



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



- Cyan (51%)
- Magenta (6%)
- Yellow (0%)
- Black (33%)



- Cyan (67%)
- Magenta (37%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 23.7517, 30.3148, 43.1276 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 23.7517, 30.3148, 43.1276 by changing the saturation by 10% instead.



■ 23.7517, 30.3148,  
43.1276

■ 23.7517, 30.3148,  
43.1276

264.0266,  
303.3691, 375.0729

■ 15.2733, 20.0777,  
29.6531

■ 49.0823, 60.1597,  
81.1918

■ 9.0990, 12.4515,  
19.3256

■ 66.6653, 80.5362,  
106.6186

■ 4.8634, 7.0520,  
11.7266

■ 88.0137, 105.0612,  
136.8665

■ 2.2013, 3.4946,  
6.4375

■ 113.4931,  
134.1193, 172.3542

■ 0.7434, 1.3951,  
3.0398

143.4687,  
168.0947, 213.5001

■ 0.0000, 0.2131,  
1.1150

178.3059,

■ 0.0000, 0.0000,

207.3719, 260.7229

0.0000

218.3701,  
252.3352, 314.4409

■ 23.7517, 30.3148,  
43.1276

■ 23.7517, 30.3148,  
43.1276

■ 22.0635, 28.9393,  
42.9516

■ 25.8208, 31.8960,  
43.3243

■ 20.7257, 27.7517,  
42.7929

■ 28.2929, 33.6924,  
43.5407

■ 19.7077, 26.7370,  
42.6507

■ 31.1916, 35.7168,  
43.7787

■ 18.9722, 25.8758,  
42.5232

■ 34.5382, 37.9801,  
44.0392

■ 18.4735, 25.1857,  
42.4163

■ 38.3521, 40.4926,  
44.3231

■ 42.6519, 43.2637,  
44.6314

■ 47.4550, 46.3025,  
44.9648

■ 52.7781, 49.6176,  
45.3241

■ 58.6369, 53.2173,  
45.7101

# Harmonies

## Analogous

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



22.9781, 30.3148, 33.2845



23.7517, 30.3148, 43.1276



25.8634, 30.3148, 51.3485

# Triad

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



23.7517, 30.3148, 43.1276



34.6562, 30.3148, 42.5587



28.7170, 30.3148, 18.0903

# Complementary

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



23.7517, 30.3148, 43.1276



22.3982, 17.3041, 10.5478

# 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.



31.9794, 30.3148, 19.6548



23.7517, 30.3148, 43.1276



35.5611, 30.3148, 32.7324

# Square

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



23.7517, 30.3148, 43.1276



32.1587, 30.3148, 50.9788



34.5473, 30.3148, 24.6093



25.7083, 30.3148, 19.8508



# Rectangle

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



23.7517, 30.3148, 43.1276



27.8291, 30.3148, 54.1453



34.5473, 30.3148, 24.6093



29.8205, 30.3148, 18.2416

# Sweetspot

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



23.7526, 30.3160, 43.1283



59.1231, 66.1861, 78.6610



20.1823, 31.7963, 15.3608



12.9127, 14.5756, 17.5205



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.



23.7526, 30.3160, 43.1283



39.1935, 51.5548, 76.8872



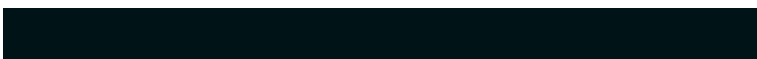
17.5807, 17.9721, 41.0710



8.1566, 8.9125, 10.2431



13.9506, 19.0351, 31.9834



0.4099, 0.5731, 0.8970



# Inverse Universe

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



26.3987, 17.5726, 35.7199



44.6245, 26.7157, 61.3864



27.2279, 26.9636, 12.1577



8.2968, 8.1320, 9.8739



16.9053, 8.2247, 22.9444



0.4813, 0.2332, 0.6961



# Previews

## White Background



This preview shows how the XYZ color 23.7517, 30.3148, 43.1276 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 23.7517, 30.3148, 43.1276 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

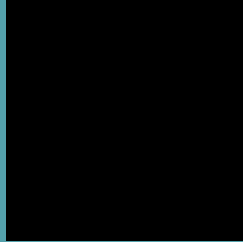
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 23.7517, 30.3148, 43.1276**

## **Background**



This preview shows how black text looks on a background with the XYZ color 23.7517, 30.3148, 43.1276.



This preview shows how white text looks on a background with the XYZ color 23.7517, 30.3148,



# 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

23.7517, 30.3148, 43.1276

### Protanopia

29.2334, 30.0272, 38.9054

### Deuteranopia

30.5279, 29.8861, 44.2040



## Tritanopia

24.1312, 30.4770, 44.6552

# Trichromacy



## Original Color

23.7517, 30.3148, 43.1276

## Protanomaly

26.5863, 29.8207, 40.4311

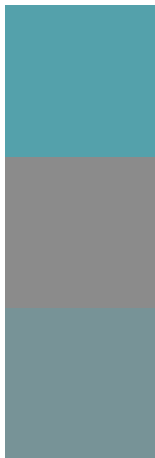
## Deuteranomaly

27.3618, 29.6624, 43.8185

## Tritanomaly

24.0340, 30.4382, 44.1436

# Monochromacy



## Original Color

23.7517, 30.3148, 43.1276

## Achromatopsia

24.5403, 25.8183, 28.1161

## Achromatomaly

23.6274, 27.0237, 33.2490

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 23.7517, 30.3148, 43.1276 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(84, 161, 171)` looks like.

```
.text, #text, p{  
    color:rgb(84, 161, 171)  
}
```

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(84, 161, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 161, 171) }
```

## Border

The CSS property to change the border of an element to XYZ 23.7517, 30.3148, 43.1276 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(84, 161, 171) }
```



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

```
.border{ border-color:rgb(84, 161, 171) }
```

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

Here you see how a box with a 4 pixel rgb(84, 161, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 161, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 161, 171);  
box-shadow:4px 4px 4px 4px rgb(84, 161,  
171) }
```

# Background

The CSS property to change the background color of an element to XYZ 23.7517, 30.3148, 43.1276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 161, 171) }
```

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

```
.background{ background-color: rgb(84, 161,  
171) }
```

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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