

# Converting Colors

XYZ(25.1671, 32.7035, 54.4211)

Have a look what the booklet for  
XYZ(25.1671, 32.7035, 54.4211)  
contains.

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# Color

**XYZ(25.0939, 32.6367,  
54.2671)**

# Conversions

## Conversions Part 1

Format	Color
Hex	39A8BF
RGB	57, 168, 191
RGB Percent	22%, 66%, 75%
CMY	0.7764, 0.3412, 0.2510
CMYK	0.70, 0.12, 0.00, 0.25
HSL	190°, 54%, 49%
HSV	190°, 70%, 75%
XYZ	25.0939, 32.6367, 54.2671
YIQ	137.4330, -73.5390, -16.3790

# Conversions

## Conversions Part 2

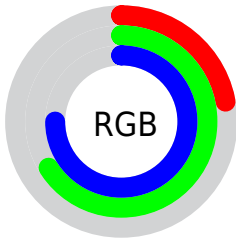
<b>Format</b>	<b>Color</b>
<b>RYB</b>	57, 118, 191
Decimal	3778751
CIELab	63.87, -23.49, -20.87
CIELCh	64, 31.422, 221.623
Yxy	32.6367, 0.2241, 0.2914
Android (android.graphics.Color)	4281968831 (0xFF39A8BF)
YUV	137.4330, 26.4085, -70.5397
Hunter-Lab	57.1285, -21.5682, -16.3303

# Details

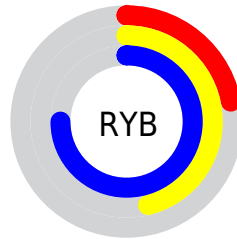
The XYZ color **25.0939, 32.6367, 54.2671** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **25.0939, 17.1102, 5.8519**, and the grayscale version is **23.8660, 25.1089, 27.3436**.

A 20% lighter version of the original color is **51.0613, 63.5557, 97.5719**, and **10.8328, 14.3258, 26.2390** is the 20% darker color. If you saturate the color by 10%, you get **23.6054, 30.9828, 54.0269**, and if you desaturate by 10%, it is **27.0092, 34.5346, 54.5331**.

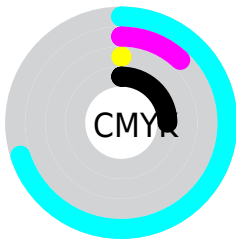
# Distribution



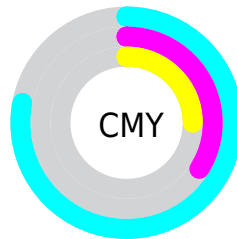
- Red (22%)
- Green (66%)
- Blue (75%)



- Red (22%)
- Yellow (46%)
- Blue (75%)



- Cyan (70%)
- Magenta (12%)
- Yellow (0%)
- Black (25%)



- Cyan (78%)
- Magenta (34%)
- Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 25.0939, 32.6367, 54.2671 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 25.0939, 32.6367, 54.2671 by changing the saturation by 10% instead.



■ 25.0939, 32.6367,  
54.2671

■ 25.0939, 32.6367,  
54.2671

270.6443,  
314.0095, 420.3311

■ 16.2761, 21.8483,  
38.4206

■ 51.2513, 63.8079,  
97.9267

■ 9.8118, 13.7455,  
26.0049

■ 69.3217, 84.9595,  
126.5768

■ 5.3357, 7.9438,  
16.6015

■ 91.2069, 110.3342,  
160.3320

■ 2.4823, 4.0590,  
9.7919

■ 117.2724,  
140.3166, 199.6106

■ 0.8863, 1.7066,  
5.1574

■ 147.8836,  
175.2909, 244.8313

■ 0.0000, 0.4280,  
2.2795

183.4057,

■ 0.0000, 0.0000,

215.6415, 296.4126

0.7197

224.2041,  
261.7529, 354.7730

■ 0.0000, 0.0000,  
0.0000

■ 25.0939, 32.6367,  
54.2671

■ 25.0939, 32.6367,  
54.2671

■ 23.6054, 30.9828,  
54.0269

■ 27.0092, 34.5346,  
54.5331

■ 22.4918, 29.5440,  
53.8079

■ 29.3893, 36.6943,  
54.8245

■ 21.6681, 28.2897,  
53.6092

■ 32.2717, 39.1359,  
55.1439

■ 35.6889, 41.8763,  
55.4927

■ 39.6708, 44.9311,  
55.8725

■ 44.2448, 48.3147,  
56.2845

■ 49.4367, 52.0404,  
56.7300

■ 55.2707, 56.1208,  
57.2101

■ 61.7697, 60.5680,  
57.7260

# Harmonies

## Analogous

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



23.4219, 32.6367, 40.6657



25.0939, 32.6367, 54.2671



28.4186, 32.6367, 63.9822

# Triad

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



25.0939, 32.6367, 54.2671



39.7996, 32.6367, 43.7703



29.3402, 32.6367, 16.6369

# Complementary

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



25.0939, 32.6367, 54.2671



25.0939, 17.1102, 5.8519

# 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.



33.7760, 32.6367, 17.0882



25.0939, 32.6367, 54.2671



40.1063, 32.6367, 30.8566

# Square

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



25.0939, 32.6367, 54.2671



37.0112, 32.6367, 56.9993



37.8130, 32.6367, 21.7028



25.7133, 32.6367, 20.2764



# Rectangle

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



25.0939, 32.6367, 54.2671



31.2614, 32.6367, 65.8212



37.8130, 32.6367, 21.7028



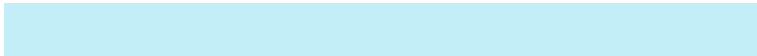
30.7803, 32.6367, 16.3438

# Sweetspot

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



25.0949, 32.6379, 54.2679



70.1546, 79.7957, 99.9837



21.7425, 38.7016, 13.7864



14.9522, 17.1781, 21.9129



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138



# Same Dimension

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



25.0949, 32.6379, 54.2679



41.1668, 54.1107, 96.5538



15.8111, 14.0701, 51.1733



9.6655, 10.5233, 12.1940



14.2916, 18.6950, 35.2481



0.5972, 0.8071, 1.3932



# Inverse Universe

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



30.0177, 16.8308, 38.7135



51.0702, 26.0647, 64.4204



32.5557, 32.0337, 8.3391



9.8577, 9.6674, 11.6399



18.2145, 8.9170, 22.2210



0.7323, 0.3568, 0.9698



# Previews

## White Background



This preview shows how the XYZ color 25.0939, 32.6367, 54.2671 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 25.0939, 32.6367, 54.2671 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

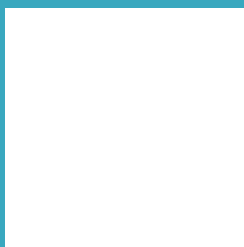
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 25.0939, 32.6367, 54.2671**

## **Background**



This preview shows how black text looks on a background with the XYZ color 25.0939, 32.6367, 54.2671.



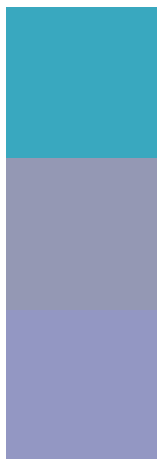
This preview shows how white text looks on a background with the XYZ color 25.0939, 32.6367,



# 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

25.0939, 32.6367, 54.2671

### Protanopia

31.6792, 32.0477, 47.6962

### Deuteranopia

32.9496, 32.2764, 56.1231



## Tritanopia

24.1514, 32.5249, 49.8048

# Trichromacy



## Original Color

25.0939, 32.6367, 54.2671

## Protanomaly

27.9488, 31.5592, 49.9659

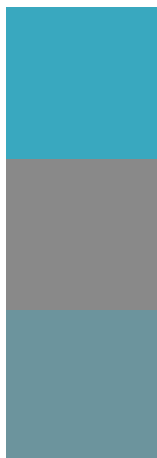
## Deuteranomaly

28.7340, 31.5864, 55.6213

## Tritanomaly

24.5722, 32.7054, 51.4721

# Monochromacy



## Original Color

25.0939, 32.6367, 54.2671

## Achromatopsia

23.7775, 25.0158, 27.2422

## Achromatomaly

22.8600, 26.8023, 35.8668

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 25.0939, 32.6367, 54.2671 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(57, 168, 191)` looks like.

```
.text, #text, p{  
    color:rgb(57, 168, 191)  
}
```

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(57, 168, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 168, 191) }
```

## Border

The CSS property to change the border of an element to XYZ 25.0939, 32.6367, 54.2671 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(57, 168, 191) }
```



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

```
.border{ border-color:rgb(57, 168, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 168, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 168, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 168, 191);  
box-shadow:4px 4px 4px 4px rgb(57, 168,  
191) }
```

# Background

The CSS property to change the background color of an element to XYZ 25.0939, 32.6367, 54.2671 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 168, 191) }
```

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

```
.background{ background-color: rgb(57, 168,  
191) }
```

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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