

Converting Colors

XYZ(25.4585, 32.0003, 49.4420)

Have a look what the booklet for
XYZ(25.4585, 32.0003, 49.4420)
contains.

XYZ(25.5697, 32.1682, 49.6612)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(25.5697, 32.1682,
49.6612)**

Conversions

Conversions Part 1

Format	Color
Hex	53A5B7
RGB	83, 165, 183
RGB Percent	33%, 65%, 72%
CMY	0.6745, 0.3529, 0.2823
CMYK	0.55, 0.10, 0.00, 0.28
HSL	191°, 41%, 52%
HSV	191°, 55%, 72%
XYZ	25.5697, 32.1682, 49.6612
YIQ	142.5340, -54.6500, -11.7860

Conversions

Conversions Part 2

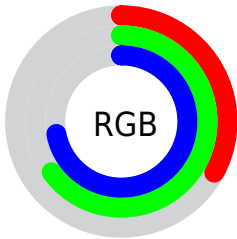
Format	Color
R _Y B	83, 128, 183
Decimal	5481911
CIE Lab	63.48, -19.82, -16.91
CIE LCh	63, 26.055, 220.478
Yxy	32.1682, 0.2381, 0.2995
Android (android.graphics.Color)	4283671991 (0xFF53A5B7)
YUV	142.5340, 19.9497, -52.2113
Hunter-Lab	56.7170, -18.7817, -12.2122

Details

The XYZ color **25.5697, 32.1682, 49.6612** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **25.7443, 20.0001, 10.6882**, and the grayscale version is **25.8626, 27.2095, 29.6312**.

A 20% lighter version of the original color is **51.9884, 62.9938, 91.0803**, and **10.0724, 13.4931, 23.1927** is the 20% darker color. If you saturate the color by 10%, you get **23.5769, 30.2709, 49.4006**, and if you desaturate by 10%, it is **28.0059, 34.3182, 49.9484**.

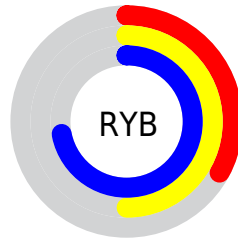
Distribution



Red (33%)

Green (65%)

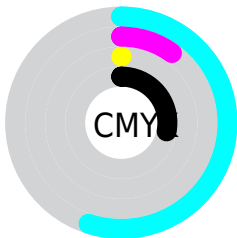
Blue (72%)



Red (33%)

Yellow (50%)

Blue (72%)

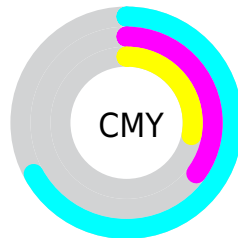


Cyan (55%)

Magenta (10%)

Yellow (0%)

Black (28%)



Cyan (67%)

Magenta (35%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.5697, 32.1682, 49.6612 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 25.5697, 32.1682, 49.6612 by changing the saturation by 10% instead.

■ 25.5697, 32.1682,
49.6612

■ 25.5697, 32.1682,
49.6612

272.9589,
311.8847, 402.0366

■ 16.6330, 21.4900,
34.7750

■ 52.0162, 63.0747,
91.0638

■ 10.0669, 13.4826,
23.2074

■ 70.2567, 84.0718,
118.4173

■ 5.5059, 7.7617,
14.5400

■ 92.3292, 109.2772,
150.7636

■ 2.5848, 3.9429,
8.3542

■ 118.5991,
139.0755, 188.5213

■ 0.9382, 1.6417,
4.2314

149.4316,
173.8511, 232.1089

■ 0.0000, 0.3854,
1.7531

185.1922,

■ 0.0000, 0.0000,

213.9882, 281.9450

0.3968

226.2462,
259.8713, 338.4480

■ 0.0000, 0.0000,
0.0000

■ 25.5697, 32.1682,
49.6612

■ 25.5697, 32.1682,
49.6612

■ 23.5769, 30.2709,
49.4006

■ 28.0059, 34.3182,
49.9484

■ 21.9902, 28.6048,
49.1626

■ 30.9132, 36.7332,
50.2613

■ 20.7706, 27.1503,
48.9462

■ 34.3204, 39.4291,
50.6021

■ 19.8703, 25.8826,
48.7489

■ 38.2533, 42.4191,
50.9719

■ 19.4637, 25.2516,
48.6486

■ 42.7358, 45.7158,
51.3720

■ 47.7902, 49.3309,
51.8034

■ 53.4377, 53.2755,
52.2671

■ 59.6982, 57.5599,
52.7641

■ 66.5909, 62.1942,
53.2953

Harmonies

Analogous

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



24.2156, 32.1682, 38.7859



25.5697, 32.1682, 49.6612



28.3025, 32.1682, 57.4314

Triad

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



25.5697, 32.1682, 49.6612



37.6323, 32.1682, 42.1351



29.3238, 32.1682, 18.8245

Complementary

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



25.5697, 32.1682, 49.6612



25.7443, 20.0001, 10.6882

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.



32.9658, 32.1682, 19.3686



25.5697, 32.1682, 49.6612



37.9602, 32.1682, 31.5168

Square

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



25.5697, 32.1682, 49.6612



35.3305, 32.1682, 52.5262



36.1940, 32.1682, 23.5916



26.2664, 32.1682, 21.9208

Rectangle

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



25.5697, 32.1682, 49.6612



30.6331, 32.1682, 59.0423



36.1940, 32.1682, 23.5916



30.5168, 32.1682, 18.6056

Sweetspot

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



25.5707, 32.1694, 49.6620



67.3019, 75.0656, 91.1776



22.7858, 36.6204, 17.8408



14.5360, 16.3317, 20.1078



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



25.5707, 32.1694, 49.6620



41.4648, 53.4463, 88.3665



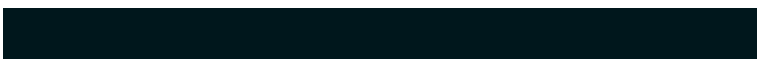
18.3994, 17.8268, 47.2715



9.1255, 9.9282, 11.5148



13.6236, 17.7069, 33.9528



0.5166, 0.6969, 1.2090

Inverse Universe

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



29.4141, 18.9714, 37.7101



49.3961, 28.4629, 63.1977



31.9439, 32.3993, 12.7547



9.3097, 9.1342, 10.9783



17.4902, 8.5699, 21.0002



0.6349, 0.3094, 0.8369

Previews

White Background



This preview shows how the XYZ color 25.5697, 32.1682, 49.6612 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 25.5697, 32.1682, 49.6612 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

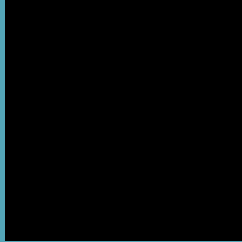
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 25.5697, 32.1682, 49.6612

Background



This preview shows how black text looks on a background with the XYZ color 25.5697, 32.1682, 49.6612.



This preview shows how white text looks on a background with the XYZ color 25.5697, 32.1682,

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

25.5697, 32.1682, 49.6612

Protanopia

31.2626, 31.9020, 44.5544

Deuteranopia

32.5318, 31.9372, 50.9043



Tritanopia

25.2526, 32.3209, 47.5554

Trichromacy



Original Color

25.5697, 32.1682, 49.6612

Protanomaly

28.4502, 31.6482, 46.2042

Deuteranomaly

29.0825, 31.3811, 50.4233

Tritanomaly

25.3541, 32.3616, 48.0901

Monochromacy



Original Color

25.5697, 32.1682, 49.6612

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

25.1233, 28.6668, 36.5569

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.5697, 32.1682, 49.6612 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(83, 165, 183)` looks like.

```
.text, #text, p{  
    color:rgb(83, 165, 183)  
}
```

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(83, 165, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 165, 183) }
```

Border

The CSS property to change the border of an element to XYZ 25.5697, 32.1682, 49.6612 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(83, 165, 183) }
```


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

```
.border{ border-color:rgb(83, 165, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 165, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 165, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 165, 183);  
box-shadow:4px 4px 4px 4px rgb(83, 165,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 25.5697, 32.1682, 49.6612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 165, 183) }
```

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

```
.background{ background-color: rgb(83, 165,  
183) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor