

Converting Colors

XYZ(25.6676, 34.4830, 48.8605)

Have a look what the booklet for
XYZ(25.6676, 34.4830, 48.8605)
contains.

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Color

**XYZ(25.6680, 34.4523,
49.0132)**

Conversions

Conversions Part 1

Format	Color
Hex	44ADB5
RGB	68, 173, 181
RGB Percent	27%, 68%, 71%
CMY	0.7333, 0.3216, 0.2902
CMYK	0.62, 0.04, 0.00, 0.29
HSL	184°, 45%, 49%
HSV	184°, 62%, 71%
XYZ	25.6680, 34.4523, 49.0132
YIQ	142.5170, -65.1480, -19.7720

Conversions

Conversions Part 2

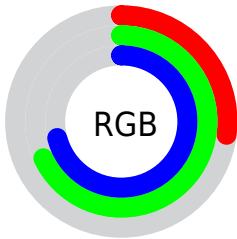
Format	Color
RYB	68, 122, 181
Decimal	4500917
CIELab	65.32, -27.33, -13.07
CIELCh	65, 30.295, 205.561
Yxy	34.4523, 0.2352, 0.3157
Android (android.graphics.Color)	4282690997 (0xFF44ADB5)
YUV	142.5170, 18.9721, -65.3514
Hunter-Lab	58.6961, -24.6595, -8.4219

Details

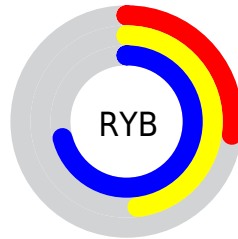
The XYZ color **25.6680, 34.4523, 49.0132** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **22.6847, 15.4109, 7.2489**, and the grayscale version is **25.8628, 27.2097, 29.6314**.

A 20% lighter version of the original color is **52.2075, 66.7422, 90.2517**, and **10.6128, 14.9915, 22.7564** is the 20% darker color. If you saturate the color by 10%, you get **24.3510, 33.4111, 48.8823**, and if you desaturate by 10%, it is **27.3792, 35.7017, 49.1648**.

Distribution



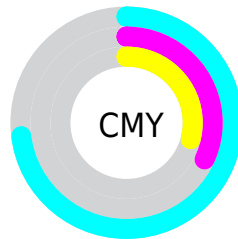
- Red (27%)
- Green (68%)
- Blue (71%)



- Red (27%)
- Yellow (48%)
- Blue (71%)



- Cyan (62%)
- Magenta (4%)
- Yellow (0%)
- Black (29%)



- Cyan (73%)
- Magenta (32%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.6680, 34.4523, 49.0132 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 25.6680, 34.4523, 49.0132 by changing the saturation by 10% instead.

■ 25.6680, 34.4523,
49.0132

■ 25.6680, 34.4523,
49.0132

273.4352,
322.1442, 399.4182

■ 16.7068, 23.2413,
34.2643

■ 52.1740, 66.6364,
90.0923

■ 10.1197, 14.7718,
22.8177

■ 70.4495, 88.3783,
117.2595

■ 5.5413, 8.6594,
14.2549

■ 92.5605, 114.3993,
149.4032

■ 2.6062, 4.5197,
8.1574

■ 118.8723,
145.0837, 186.9419

■ 0.9491, 1.9683,
4.1066

■ 149.7504,
180.8160, 230.2943

■ 0.0000, 0.5890,
1.6840

185.5599,

■ 0.0000, 0.0000,

221.9806, 279.8787

0.3497

226.6664,
268.9619, 336.1139

■ 0.0000, 0.0000,
0.0000

■ 25.6680, 34.4523,
49.0132

■ 25.6680, 34.4523,
49.0132

■ 24.3510, 33.4111,
48.8823

■ 27.3792, 35.7017,
49.1648

■ 23.3877, 32.5550,
48.7678

■ 29.5138, 37.1721,
49.3361

■ 22.7347, 31.8624,
48.6685

■ 32.1020, 38.8799,
49.5293

■ 22.3781, 31.4112,
48.6002

■ 35.1704, 40.8388,
49.7457

■ 38.7433, 43.0613,
49.9864

■ 42.8437, 45.5592,
50.2524

■ 47.4929, 48.3436,
50.5448

■ 52.7111, 51.4249,
50.8645

■ 58.5174, 54.8131,
51.2125

Harmonies

Analogous

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



24.9892, 34.4523, 35.6621



25.6680, 34.4523, 49.0132



28.1751, 34.4523, 61.3532

Triad

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



25.6680, 34.4523, 49.0132



40.2593, 34.4523, 53.0131



33.4074, 34.4523, 18.1168

Complementary

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



25.6680, 34.4523, 49.0132



22.6847, 15.4109, 7.2489

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.



37.7860, 34.4523, 20.8197



25.6680, 34.4523, 49.0132



41.9614, 34.4523, 39.4263

Square

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



25.6680, 34.4523, 49.0132



36.5477, 34.4523, 64.0029



41.0182, 34.4523, 27.9685



29.2173, 34.4523, 19.5744

Rectangle

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



25.6680, 34.4523, 49.0132



30.6741, 34.4523, 66.3322



41.0182, 34.4523, 27.9685



34.9089, 34.4523, 18.5481

Sweetspot

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



25.6691, 34.4536, 49.0140



64.8799, 74.3267, 89.2216



20.1970, 34.7928, 12.4051



13.6516, 15.8319, 19.2586



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.



25.6691, 34.4536, 49.0140



42.8804, 59.2139, 87.4640



17.0829, 17.2812, 46.1520



8.6902, 9.5265, 10.8871



15.4480, 21.6964, 33.5106



0.5013, 0.7131, 1.0595

Inverse Universe

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



28.6669, 16.9762, 41.3023



48.8793, 25.9679, 71.6453



28.3562, 26.7539, 9.1394



8.8236, 8.6361, 10.5692



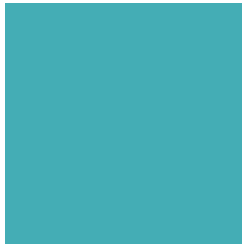
18.0321, 8.7304, 26.3927



0.5751, 0.2778, 0.8709

Previews

White Background



This preview shows how the XYZ color 25.6680, 34.4523, 49.0132 looks on a white background.

Color Contrast Check

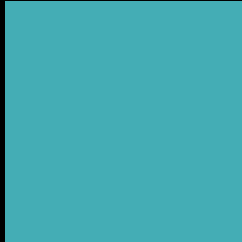
Large Text (above 18pt) WCAG AA × Fail

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 25.6680, 34.4523, 49.0132 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

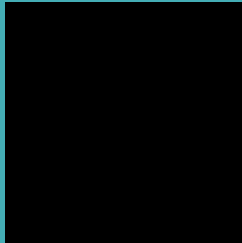
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 25.6680, 34.4523, 49.0132

Background



This preview shows how black text looks on a background with the XYZ color 25.6680, 34.4523, 49.0132.

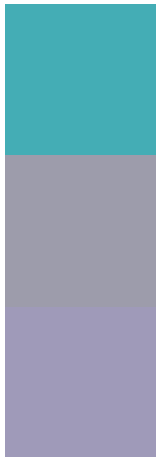


This preview shows how white text looks on a background with the XYZ color 25.6680, 34.4523,

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

25.6680, 34.4523, 49.0132

Protanopia

33.1438, 33.8853, 43.3217

Deuteranopia

34.6106, 33.9849, 50.6345



Tritanopia

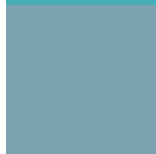
26.1412, 34.3523, 51.7072

Trichromacy



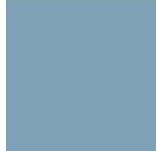
Original Color

25.6680, 34.4523, 49.0132



Protanomaly

29.1156, 33.2958, 45.4496



Deuteranomaly

30.0008, 33.3860, 50.2103



Tritanomaly

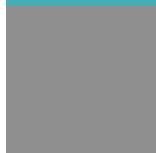
25.8585, 34.2309, 50.5917

Monochromacy



Original Color

25.6680, 34.4523, 49.0132



Achromatopsia

26.1081, 27.4677, 29.9124



Achromatomaly

24.8439, 29.2585, 36.2363

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.6680, 34.4523, 49.0132 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(68, 173, 181)` looks like.

```
.text, #text, p{  
    color:rgb(68, 173, 181)  
}
```

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(68, 173, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 173, 181) }
```

Border

The CSS property to change the border of an element to XYZ 25.6680, 34.4523, 49.0132 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(68, 173, 181) }
```


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

```
.border{ border-color:rgb(68, 173, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 173, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 173, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 173, 181);  
box-shadow:4px 4px 4px 4px rgb(68, 173,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 25.6680, 34.4523, 49.0132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 173, 181) }
```

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

```
.background{ background-color: rgb(68, 173,  
181) }
```

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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