

Converting Colors

XYZ(25.9661, 30.2530, 49.8187)

Have a look what the booklet for
XYZ(25.9661, 30.2530, 49.8187)
contains.

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Color

**XYZ(25.9642, 30.2840,
49.8243)**

Conversions

Conversions Part 1

Format	Color
Hex	649DB8
RGB	100, 157, 184
RGB Percent	39%, 62%, 72%
CMY	0.6078, 0.3843, 0.2784
CMYK	0.46, 0.15, 0.00, 0.28
HSL	199°, 37%, 56%
HSV	199°, 46%, 72%
XYZ	25.9642, 30.2840, 49.8243
YIQ	143.0350, -42.6390, -3.6870

Conversions

Conversions Part 2

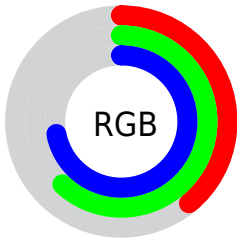
Format	Color
R _{YB}	100, 134, 184
Decimal	6593976
CIE Lab	61.90, -11.34, -19.81
CIE LCh	62, 22.829, 240.206
Yxy	30.2840, 0.2448, 0.2855
Android (android.graphics.Color)	4284784056 (0xFF649DB8)
YUV	143.0350, 20.1957, -37.7417
Hunter-Lab	55.0309, -12.0858, -15.1588

Details

The XYZ color **25.9642, 30.2840, 49.8243** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **29.6573, 26.2897, 15.5687**, and the grayscale version is **26.0573, 27.4143, 29.8542**.

A 20% lighter version of the original color is **52.7892, 60.3468, 91.3039**, and **10.3330, 12.5047, 23.3418** is the 20% darker color. If you saturate the color by 10%, you get **23.1780, 27.3986, 49.4148**, and if you desaturate by 10%, it is **29.2604, 33.5055, 50.2729**.

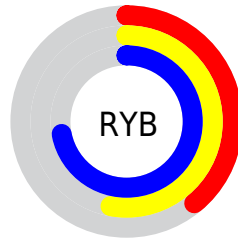
Distribution



Red (39%)

Green (62%)

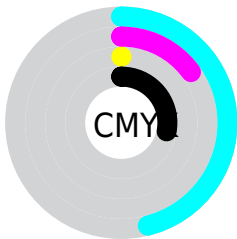
Blue (72%)



Red (39%)

Yellow (53%)

Blue (72%)

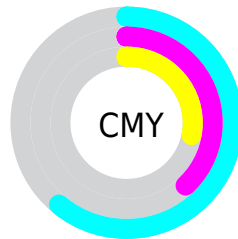


Cyan (46%)

Magenta (15%)

Yellow (0%)

Black (28%)



Cyan (61%)

Magenta (38%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.9642, 30.2840, 49.8243 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 25.9642, 30.2840, 49.8243 by changing the saturation by 10% instead.

■ 25.9642, 30.2840,
49.8243

■ 25.9642, 30.2840,
49.8243

274.8662,
303.2260, 402.6938

■ 16.9294, 20.0543,
34.9036

■ 52.6489, 60.1110,
91.3081

■ 10.2792, 12.4345,
23.3057

■ 71.0295, 80.4771,
118.7083

■ 5.6481, 7.0403,
14.6120

■ 93.2561, 104.9907,
151.1055

■ 2.6709, 3.4873,
8.4039

■ 119.6940,
134.0363, 188.9180

■ 0.9822, 1.3911,
4.2630

150.7086,
167.9982, 232.5646

■ 0.0000, 0.2102,
1.7707

186.6653,

■ 0.0000, 0.0000,

207.2609, 282.4638

0.4085

227.9294,
252.2087, 339.0340

■ 0.0000, 0.0000,
0.0000

■ 25.9642, 30.2840,
49.8243

■ 25.9642, 30.2840,
49.8243

■ 23.1780, 27.3986,
49.4148

■ 29.2604, 33.5055,
50.2729

■ 20.8668, 24.8284,
49.0405

■ 33.0927, 37.0756,
50.7600

■ 18.9958, 22.5550,
48.7003

■ 37.4889, 41.0102,
51.2878

■ 17.5233, 20.5558,
48.3920

■ 42.4738, 45.3232,
51.8575

■ 16.3974, 18.8031,
48.1130

■ 48.0709, 50.0275,
52.4706

■ 15.9678, 18.0927,
47.9985

■ 54.3021, 55.1353,
53.1281

■ 61.1883, 60.6583,
53.8312

■ 68.7494, 66.6077,
54.5810

■ 72.9951, 70.9272,
55.1910

Harmonies

Analogous

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



24.0024, 30.2840, 42.1777



25.9642, 30.2840, 49.8243



28.8051, 30.2840, 52.8085

Triad

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



25.9642, 30.2840, 49.8243



35.0634, 30.2840, 32.9137



25.9301, 30.2840, 20.4728

Complementary

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



25.9642, 30.2840, 49.8243



29.6573, 26.2897, 15.5687

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.



28.7629, 30.2840, 18.8558



25.9642, 30.2840, 49.8243



34.1620, 30.2840, 25.2174

Square

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



25.9642, 30.2840, 49.8243



34.1856, 30.2840, 42.0545



31.8010, 30.2840, 20.4288



23.9837, 30.2840, 25.3050

Rectangle

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



25.9642, 30.2840, 49.8243



30.8599, 30.2840, 51.4048



31.8010, 30.2840, 20.4288



26.8034, 30.2840, 19.5777

Sweetspot

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



25.9652, 30.2852, 49.8250



69.1722, 75.4066, 93.1138



26.2015, 38.5128, 25.9959



14.5176, 15.9095, 20.0273



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.



25.9652, 30.2852, 49.8250



41.8920, 49.5340, 89.5577



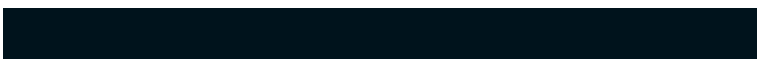
20.0845, 18.5238, 47.8648



9.0167, 9.7107, 11.4786



11.0709, 12.6015, 33.1019



0.4437, 0.5510, 1.1847

Inverse Universe

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



30.4109, 21.7398, 34.4930



51.2972, 33.2157, 56.7272



36.1817, 39.3384, 17.7435



9.2548, 9.1123, 10.6891



16.2018, 8.0545, 14.2151



0.5981, 0.2947, 0.6430

Previews

White Background



This preview shows how the XYZ color 25.9642, 30.2840, 49.8243 looks on a white background.

Color Contrast Check

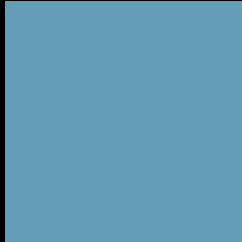
Large Text (above 18pt) WCAG AA × Fail

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 25.9642, 30.2840, 49.8243 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

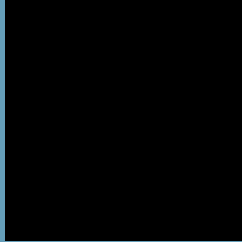
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 25.9642, 30.2840, 49.8243

Background



This preview shows how black text looks on a background with the XYZ color 25.9642, 30.2840, 49.8243.



This preview shows how white text looks on a background with the XYZ color 25.9642, 30.2840,

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

25.9642, 30.2840, 49.8243

Protanopia

29.9535, 30.2338, 46.3765

Deuteranopia

30.6434, 30.0322, 50.6361



Tritanopia

24.6684, 30.2616, 43.5706

Trichromacy



Original Color

25.9642, 30.2840, 49.8243

Protanomaly

28.0572, 29.9405, 47.4803

Deuteranomaly

28.5654, 29.9047, 50.1656

Tritanomaly

24.9931, 30.1297, 45.5726

Monochromacy



Original Color

25.9642, 30.2840, 49.8243

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

25.5139, 28.1605, 36.4385

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.9642, 30.2840, 49.8243 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(100, 157, 184)` looks like.

```
.text, #text, p{  
    color:rgb(100, 157, 184)  
}
```

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(100, 157, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 157, 184) }
```

Border

The CSS property to change the border of an element to XYZ 25.9642, 30.2840, 49.8243 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(100, 157, 184) }
```


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

```
.border{ border-color:rgb(100, 157, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 157, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 157, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 157, 184);  
box-shadow:4px 4px 4px 4px rgb(100, 157,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 25.9642, 30.2840, 49.8243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 157, 184) }
```

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

```
.background{ background-color: rgb(100,  
157, 184) }
```

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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