

Converting Colors

XYZ(25.2341, 30.6842, 63.3918)

Have a look what the booklet for
XYZ(25.2341, 30.6842, 63.3918)
contains.

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Color

**XYZ(25.2263, 30.6231,
63.6128)**

Conversions

Conversions Part 1

Format	Color
Hex	30A1CF
RGB	48, 161, 207
RGB Percent	19%, 63%, 81%
CMY	0.8117, 0.3686, 0.1882
CMYK	0.77, 0.22, 0.00, 0.19
HSL	197°, 62%, 50%
HSV	197°, 77%, 81%
XYZ	25.2263, 30.6231, 63.6128
YIQ	132.4570, -82.1140, -9.6500

Conversions

Conversions Part 2

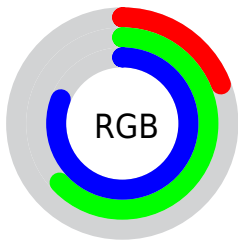
Format	Color
R_{YB}	48, 114, 207
Decimal	3187151
CIE _{Lab}	62.19, -15.70, -32.39
CIE _{LCh}	62, 35.991, 244.146
Yxy	30.6231, 0.2112, 0.2563
Android (android.graphics.Color)	4281377231 (0xFF30A1CF)
YUV	132.4570, 36.7497, -74.0688
Hunter-Lab	55.3381, -15.4712, -29.4189

Details

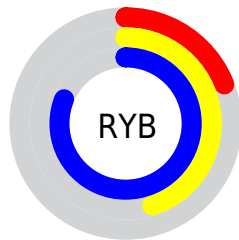
The XYZ color **25.2263, 30.6231, 63.6128** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle muted azure. A complement of this color would be **30.2700, 21.4866, 5.3496**, and the grayscale version is **21.9914, 23.1367, 25.1959**.

A 20% lighter version of the original color is **49.9420, 60.1136, 103.5786**, and **11.1361, 13.2043, 31.6675** is the 20% darker color. If you saturate the color by 10%, you get **23.4464, 28.1893, 63.2375**, and if you desaturate by 10%, it is **27.5136, 33.3939, 64.0277**.

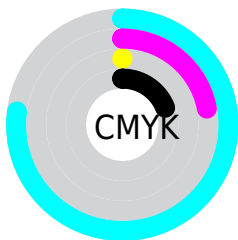
Distribution



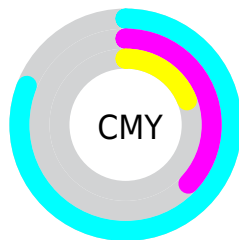
- Red (19%)
- Green (63%)
- Blue (81%)



- Red (19%)
- Yellow (45%)
- Blue (81%)



- Cyan (77%)
- Magenta (22%)
- Yellow (0%)
- Black (19%)



- Cyan (81%)
- Magenta (37%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.2263, 30.6231, 63.6128 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 25.2263, 30.6231, 63.6128 by changing the saturation by 10% instead.

■ 25.2263, 30.6231,
63.6128

■ 25.2263, 30.6231,
63.6128

271.2900,
304.7982, 455.9591

■ 16.3754, 20.3120,
45.8930

■ 51.4644, 60.6462,
111.6472

■ 9.8827, 12.6221,
31.8133

■ 69.5822, 81.1270,
142.7989

■ 5.3829, 7.1688,
20.9553

■ 91.5197, 105.7665,
179.2649

■ 2.5107, 3.5679,
12.9004

■ 117.6423,
134.9491, 221.4638

■ 0.9006, 1.4349,
7.2301

■ 148.3152,
169.0591, 269.8141

■ 0.0000, 0.2422,
3.5258

183.9039,

■ 0.0000, 0.0000,

208.4811, 324.7344

1.3690

224.7737,
253.5993, 386.6432

■ 0.0000, 0.0000,
0.1173

■ 0.0000, 0.0000,
0.0000

■ 25.2263, 30.6231,
63.6128

■ 25.2263, 30.6231,
63.6128

■ 23.4464, 28.1893,
63.2375

■ 27.5136, 33.3939,
64.0277

■ 22.0966, 26.0502,
62.8957

■ 30.3619, 36.5289,
64.4827

■ 21.7135, 25.4069,
62.7917

■ 33.8210, 40.0551,
64.9810

■ 37.9340, 43.9959,
65.5248

■ 42.7399, 48.3722,
66.1163

■ 48.2746, 53.2034,
66.7571

■ 54.5712, 58.5077,
67.4490

■ 61.6610, 64.3020,
68.1938

■ 69.5733, 70.6023,
68.9928

Harmonies

Analogous

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



22.0509, 30.6231, 50.6920



25.2263, 30.6231, 63.6128



29.7857, 30.6231, 67.7018

Triad

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



25.2263, 30.6231, 63.6128



39.4327, 30.6231, 31.4497



24.1797, 30.6231, 15.7650

Complementary

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



25.2263, 30.6231, 63.6128



30.2700, 21.4866, 5.3496

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.



28.4374, 30.6231, 13.1703



25.2263, 30.6231, 63.6128



37.5260, 30.6231, 20.4874

Square

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



25.2263, 30.6231, 63.6128



38.3302, 30.6231, 46.3980



33.3651, 30.6231, 14.6221



21.4954, 30.6231, 23.0006

Rectangle

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



25.2263, 30.6231, 63.6128



33.0899, 30.6231, 64.1319



33.3651, 30.6231, 14.6221



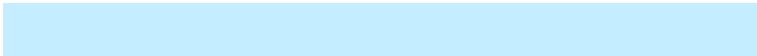
25.4561, 30.6231, 14.4287

Sweetspot

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



25.2274, 30.6242, 63.6136



71.4897, 80.1700, 106.3142



25.5110, 46.0462, 17.9130



14.6384, 16.5729, 22.6773



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



25.2274, 30.6242, 63.6136



36.1435, 42.9665, 100.9961



15.5343, 11.2380, 60.3825



11.8574, 12.8051, 15.0903



13.7651, 16.1769, 39.5894



0.8360, 1.0372, 2.2357

Inverse Universe

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



33.2231, 17.9538, 35.4335



50.4803, 25.3677, 49.3195



41.1243, 43.1953, 8.9678



12.1589, 11.9483, 14.1127



19.5787, 9.7043, 18.4856



1.1282, 0.5560, 1.2100

Previews

White Background



This preview shows how the XYZ color 25.2263, 30.6231, 63.6128 looks on a white background.

Color Contrast Check

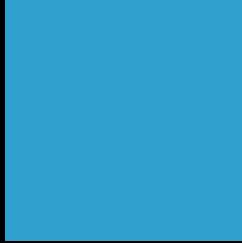
Large Text (above 18pt) WCAG AA × Fail

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 25.2263, 30.6231, 63.6128 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

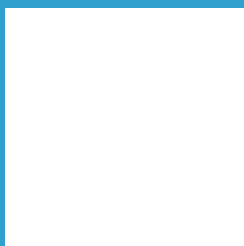
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 25.2263, 30.6231, 63.6128

Background



This preview shows how black text looks on a background with the XYZ color 25.2263, 30.6231, 63.6128.

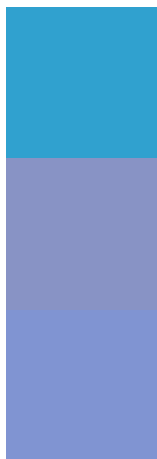


This preview shows how white text looks on a background with the XYZ color 25.2263, 30.6231,

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

25.2263, 30.6231, 63.6128

Protanopia

30.6651, 30.1329, 57.0233

Deuteranopia

31.1248, 30.4221, 65.2044



Tritanopia

21.8730, 30.5787, 47.3973

Trichromacy



Original Color

25.2263, 30.6231, 63.6128

Protanomaly

27.4798, 29.6166, 59.5266

Deuteranomaly

28.0454, 30.0386, 64.6415

Tritanomaly

22.8141, 30.4072, 52.8109

Monochromacy



Original Color

25.2263, 30.6231, 63.6128

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

21.4473, 24.9148, 36.4795

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.2263, 30.6231, 63.6128 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(48, 161, 207)` looks like.

```
.text, #text, p{  
    color:rgb(48, 161, 207)  
}
```

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(48, 161, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 161, 207) }
```

Border

The CSS property to change the border of an element to XYZ 25.2263, 30.6231, 63.6128 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(48, 161, 207) }
```


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

```
.border{ border-color:rgb(48, 161, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 161, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 161, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 161, 207);  
box-shadow:4px 4px 4px 4px rgb(48, 161,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 25.2263, 30.6231, 63.6128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 161, 207) }
```

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

```
.background{ background-color: rgb(48, 161,  
207) }
```

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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