

Converting Colors

XYZ(25.1268, 30.9893, 66.2745)

Have a look what the booklet for
XYZ(25.1268, 30.9893, 66.2745)
contains.

XYZ(25.1643, 31.0570, 66.2963)	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>	30

Color

**XYZ(25.1643, 31.0570,
66.2963)**

Conversions

Conversions Part 1

Format	Color
Hex	15A3D3
RGB	21, 163, 211
RGB Percent	8%, 64%, 83%
CMY	0.9175, 0.3608, 0.1725
CMYK	0.90, 0.23, 0.00, 0.17
HSL	195°, 82%, 45%
HSV	195°, 90%, 83%
XYZ	25.1643, 31.0570, 66.2963
YIQ	126.0140, -100.0400, -15.1760

Conversions

Conversions Part 2

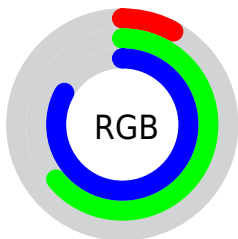
Format	Color
RYB	21, 102, 211
Decimal	1418195
CIELab	62.56, -17.54, -34.07
CIElCh	63, 38.324, 242.758
Yxy	31.0570, 0.2054, 0.2535
Android (android.graphics.Color)	4279608275 (0xFF15A3D3)
YUV	126.0140, 41.8981, -92.0973
Hunter-Lab	55.7288, -16.9239, -31.5226

Details

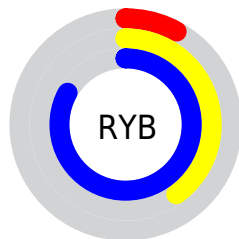
The XYZ color **25.1643, 31.0570, 66.2963** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **29.1295, 18.1626, 2.6812**, and the grayscale version is **19.7255, 20.7528, 22.5998**.

A 20% lighter version of the original color is **49.1848, 60.4886, 103.6909**, and **11.6852, 13.7692, 33.4943** is the 20% darker color. If you saturate the color by 10%, you get **23.9320, 29.0511, 65.9747**, and if you desaturate by 10%, it is **26.7823, 33.3266, 66.6497**.

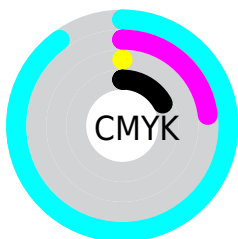
Distribution



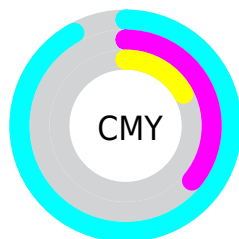
- Red (8%)
- Green (64%)
- Blue (83%)



- Red (8%)
- Yellow (40%)
- Blue (83%)



- Cyan (90%)
- Magenta (23%)
- Yellow (0%)
- Black (17%)



- Cyan (92%)
- Magenta (36%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.1643, 31.0570, 66.2963 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 25.1643, 31.0570, 66.2963 by changing the saturation by 10% instead.

■ 25.1643, 31.0570,
66.2963

■ 25.1643, 31.0570,
66.2963

270.9877,
306.8008, 465.8689

■ 16.3289, 20.6423,
48.0550

■ 51.3646, 61.3298,
115.5426

■ 9.8495, 12.8628,
33.5101

■ 69.4602, 81.9566,
147.3846

■ 5.3608, 7.3341,
22.2432

■ 91.3733, 106.7563,
184.5972

■ 2.4974, 3.6719,
13.8357

■ 117.4692,
136.1132, 227.5990

■ 0.8939, 1.4918,
7.8690

■ 148.1132,
170.4117, 276.8086

■ 0.0000, 0.2829,
3.9247

183.6707,

■ 0.0000, 0.0000,

210.0362, 332.6444

1.5841

224.5071,
255.3711, 395.5250

■ 0.0000, 0.0000,
0.2794

■ 0.0000, 0.0000,
0.0000

■ 25.1643, 31.0570,
66.2963

■ 25.1643, 31.0570,
66.2963

■ 23.9320, 29.0511,
65.9747

■ 26.7823, 33.3266,
66.6497

■ 28.8937, 35.9100,
67.0371

■ 31.5627, 38.8416,
67.4623

■ 34.8424, 42.1493,
67.9279

■ 38.7795, 45.8579,
68.4362

■ 43.4160, 49.9897,
68.9893

■ 48.7902, 54.5651,
69.5892

■ 54.9375, 59.6030,
70.2376

■ 61.8911, 65.1212,
70.9363

Harmonies

Analogous

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



21.8665, 31.0570, 51.8477



25.1643, 31.0570, 66.2963



30.0037, 31.0570, 71.3551

Triad

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



25.1643, 31.0570, 66.2963



40.7047, 31.0570, 32.4532



24.4207, 31.0570, 14.9643

Complementary

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



25.1643, 31.0570, 66.2963



29.1295, 18.1626, 2.6812

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.



29.0390, 31.0570, 12.4838



25.1643, 31.0570, 66.2963



38.7756, 31.0570, 20.5402

Square

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



25.1643, 31.0570, 66.2963



39.3570, 31.0570, 48.7310



34.3486, 31.0570, 14.1764



21.4740, 31.0570, 22.3044

Rectangle

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



25.1643, 31.0570, 66.2963



33.5684, 31.0570, 67.7941



34.3486, 31.0570, 14.1764



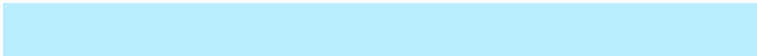
25.8087, 31.0570, 13.6514

Sweetspot

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



25.1654, 31.0581, 66.2971



68.7956, 78.5969, 106.1525



24.6637, 47.1725, 13.3577



14.1496, 16.3245, 22.6551



0.0000, 0.0000, 0.0000



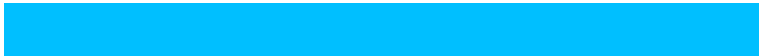
20.3446, 21.4041, 23.3091

Same Dimension

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



25.1654, 31.0581, 66.2971



36.5876, 44.2951, 101.2292



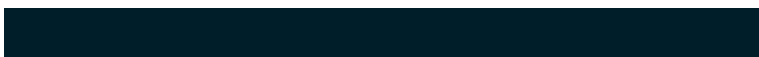
14.1665, 9.0604, 62.6308



11.8949, 12.8802, 15.1028



14.5283, 17.7032, 39.8438



0.8736, 1.1123, 2.2482

Inverse Universe

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



33.7439, 17.0308, 36.1601



50.5969, 25.0028, 51.2028



40.1873, 40.2782, 6.3671



12.1779, 11.9559, 14.2125



19.9639, 9.8584, 20.5141



1.1472, 0.5636, 1.3098

Previews

White Background



This preview shows how the XYZ color 25.1643, 31.0570, 66.2963 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 25.1643, 31.0570, 66.2963 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 25.1643, 31.0570, 66.2963

Background



This preview shows how black text looks on a background with the XYZ color 25.1643, 31.0570, 66.2963.

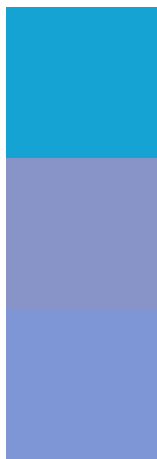


This preview shows how white text looks on a background with the XYZ color 25.1643, 31.0570,

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

25.1643, 31.0570, 66.2963

Protanopia

31.1686, 30.5842, 58.9042

Deuteranopia

31.4892, 30.7856, 67.9009

Trichromacy



Original Color

25.1643, 31.0570, 66.2963

Protanomaly

26.9064, 29.5218, 61.4069

Deuteranomaly

27.5903, 29.9900, 67.2853

Monochromacy



Original Color

25.1643, 31.0570, 66.2963

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

19.3429, 22.9743, 35.3133

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.1643, 31.0570, 66.2963 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(21, 163, 211)` looks like.

```
.text, #text, p{  
    color:rgb(21, 163, 211)  
}
```

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(21, 163, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 163, 211) }
```

Border

The CSS property to change the border of an element to XYZ 25.1643, 31.0570, 66.2963 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(21, 163, 211) }
```

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

```
.border{ border-color:rgb(21, 163, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 163, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 163, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 163, 211);  
box-shadow:4px 4px 4px 4px rgb(21, 163,  
211) }
```


Background

The CSS property to change the background color of an element to XYZ 25.1643, 31.0570, 66.2963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 163, 211) }
```

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

```
.background{ background-color: rgb(21, 163,  
211) }
```

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