

Converting Colors

XYZ(25.0982, 31.3912, 65.1083)

Have a look what the booklet for
XYZ(25.0982, 31.3912, 65.1083)
contains.

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Color

**XYZ(25.0335, 31.2830,
65.0404)**

Conversions

Conversions Part 1

Format	Color
Hex	12A4D1
RGB	18, 164, 209
RGB Percent	7%, 64%, 82%
CMY	0.9293, 0.3569, 0.1804
CMYK	0.91, 0.22, 0.00, 0.18
HSL	194°, 84%, 45%
HSV	194°, 91%, 82%
XYZ	25.0335, 31.2830, 65.0404
YIQ	125.4760, -101.4610, -16.9570

Conversions

Conversions Part 2

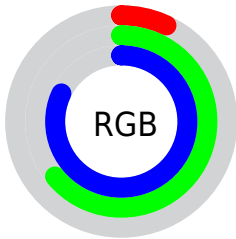
Format	Color
R _{YB}	18, 101, 209
Decimal	1221841
CIE Lab	62.75, -18.92, -32.67
CIE LCh	63, 37.751, 239.923
Yxy	31.2830, 0.2063, 0.2578
Android (android.graphics.Color)	4279411921 (0xFF12A4D1)
YUV	125.4760, 41.1773, -94.2565
Hunter-Lab	55.9312, -17.9872, -29.7944

Details

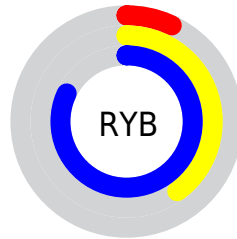
The XYZ color **25.0335, 31.2830, 65.0404** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **28.1832, 17.1573, 2.3998**, and the grayscale version is **19.5466, 20.5646, 22.3948**.

A 20% lighter version of the original color is **49.2072, 60.8863, 103.7665**, and **11.6269, 13.9214, 32.6462** is the 20% darker color. If you saturate the color by 10%, you get **24.0370, 29.6599, 64.7803**, and if you desaturate by 10%, it is **26.5171, 33.3822, 65.3680**.

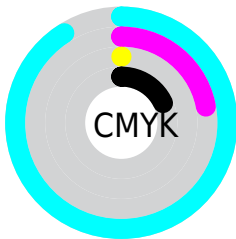
Distribution



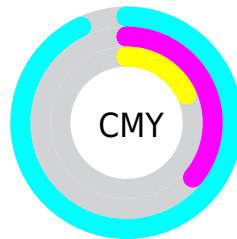
- Red (7%)
- Green (64%)
- Blue (82%)



- Red (7%)
- Yellow (40%)
- Blue (82%)



- Cyan (91%)
- Magenta (22%)
- Yellow (0%)
- Black (18%)



- Cyan (93%)
- Magenta (36%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.0335, 31.2830, 65.0404 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 25.0335, 31.2830, 65.0404 by changing the saturation by 10% instead.

■ 25.0335, 31.2830,
65.0404

■ 25.0335, 31.2830,
65.0404

270.3493,
307.8400, 461.2473

■ 16.2309, 20.8144,
47.0423

■ 51.1541, 61.6854,
113.7218

■ 9.7796, 12.9884,
32.7145

■ 69.2027, 82.3879,
145.2421

■ 5.3142, 7.4206,
21.6385

■ 91.0641, 107.2707,
182.1069

■ 2.4694, 3.7265,
13.3957

■ 117.1036,
136.7179, 224.7348

■ 0.8799, 1.5218,
7.5677

■ 147.6865,
171.1140, 273.5442

■ 0.0000, 0.3040,
3.7358

183.1781,

■ 0.0000, 0.0000,

210.8435, 328.9538

1.4816

223.9440,
256.2907, 391.3819

■ 0.0000, 0.0000,
0.2041

■ 0.0000, 0.0000,
0.0000

■ 25.0335, 31.2830,
65.0404

■ 25.0335, 31.2830,
65.0404

■ 24.0370, 29.6599,
64.7803

■ 26.5171, 33.3822,
65.3680

■ 28.4693, 35.7736,
65.7267

■ 30.9542, 38.4915,
66.1204

■ 34.0247, 41.5635,
66.5515

■ 37.7271, 45.0141,
67.0224

■ 42.1028, 48.8652,
67.5351

■ 47.1895, 53.1368,
68.0915

■ 53.0222, 57.8473,
68.6933

■ 59.6334, 63.0140,
69.3421

Harmonies

Analogous

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



21.9372, 31.2830, 50.2926



25.0335, 31.2830, 65.0404



29.7203, 31.2830, 71.1081

Triad

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



25.0335, 31.2830, 65.0404



40.7991, 31.2830, 34.0998



25.0540, 31.2830, 14.8940

Complementary

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



25.0335, 31.2830, 65.0404



28.1832, 17.1573, 2.3998

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.



29.7468, 31.2830, 12.8167



25.0335, 31.2830, 65.0404



39.1876, 31.2830, 21.7631

Square

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



25.0335, 31.2830, 65.0404



39.1717, 31.2830, 50.3779



34.9879, 31.2830, 14.9159



21.9480, 31.2830, 21.7144

Rectangle

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



25.0335, 31.2830, 65.0404



33.2441, 31.2830, 68.3663



34.9879, 31.2830, 14.9159



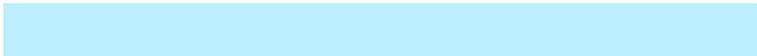
26.4793, 31.2830, 13.7237

Sweetspot

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



25.0346, 31.2841, 65.0412



69.1374, 79.2803, 106.2664



23.9364, 46.0846, 12.2763



14.2310, 16.4873, 22.6823



0.0000, 0.0000, 0.0000



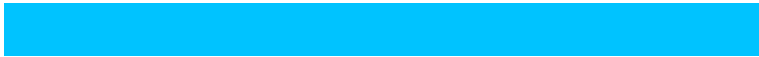
20.3446, 21.4041, 23.3091

Same Dimension

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



25.0346, 31.2841, 65.0412



37.5459, 46.2119, 101.5486



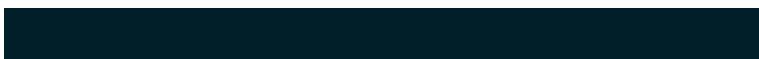
13.8841, 8.9830, 61.3243



11.9124, 12.9152, 15.1087



14.8992, 18.4451, 39.9675



0.8916, 1.1484, 2.2542

Inverse Universe

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



33.2126, 16.6694, 36.5900



51.0806, 25.1963, 53.7501



38.6438, 38.0785, 5.8866



12.1867, 11.9594, 14.2590



20.1512, 9.9333, 21.5001



1.1563, 0.5672, 1.3578

Previews

White Background



This preview shows how the XYZ color 25.0335, 31.2830, 65.0404 looks on a white background.

Color Contrast Check

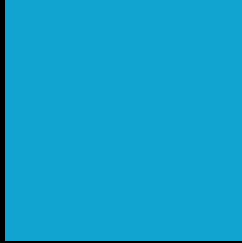
Large Text (above 18pt) WCAG AA × Fail

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 25.0335, 31.2830, 65.0404 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 25.0335, 31.2830, 65.0404

Background



This preview shows how black text looks on a background with the XYZ color 25.0335, 31.2830, 65.0404.

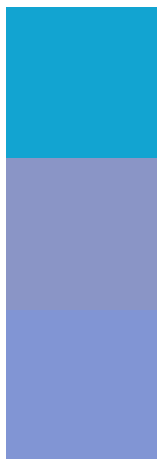


This preview shows how white text looks on a background with the XYZ color 25.0335, 31.2830,

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

25.0335, 31.2830, 65.0404

Protanopia

31.4217, 30.9754, 57.7488

Deuteranopia

31.6844, 30.9155, 66.5847



Tritanopia

22.3431, 31.3415, 48.5880

Trichromacy



Original Color

25.0335, 31.2830, 65.0404

Protanomaly

26.8324, 29.7552, 60.2062

Deuteranomaly

27.4333, 29.9382, 65.9608

Tritanomaly

23.3103, 31.4442, 54.1310

Monochromacy



Original Color

25.0335, 31.2830, 65.0404

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.0711, 22.8440, 34.8567

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.0335, 31.2830, 65.0404 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(18, 164, 209)` looks like.

```
.text, #text, p{  
    color:rgb(18, 164, 209)  
}
```

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(18, 164, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 164, 209) }
```

Border

The CSS property to change the border of an element to XYZ 25.0335, 31.2830, 65.0404 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(18, 164, 209) }
```


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

```
.border{ border-color:rgb(18, 164, 209) }
```

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

Here you see how a box with a 4 pixel rgb(18, 164, 209) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 164, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 164, 209);  
box-shadow:4px 4px 4px 4px rgb(18, 164,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 25.0335, 31.2830, 65.0404 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 164, 209) }
```

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

```
.background{ background-color: rgb(18, 164,  
209) }
```

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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