

Converting Colors

XYZ(23.1157, 32.0835, 61.6640)

Have a look what the booklet for
XYZ(23.1157, 32.0835, 61.6640)
contains.

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Color

**XYZ(25.1542, 33.0612,
61.5556)**

Conversions

Conversions Part 1

Format	Color
Hex	00AACB
RGB	0, 170, 203
RGB Percent	0%, 67%, 80%
CMY	0.9998, 0.3333, 0.2039
CMYK	1.00, 0.16, 0.00, 0.20
HSL	190°, 100%, 40%
HSV	190°, 100%, 80%
XYZ	25.1542, 33.0612, 61.5556
YIQ	122.9320, -111.9130, -25.7770

Conversions

Conversions Part 2

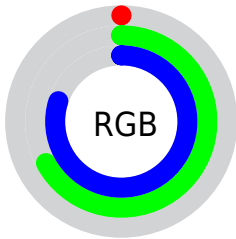
Format	Color
R_{YB}	0, 93, 203
Decimal	43723
CIE _{Lab}	64.21, -24.72, -27.08
CIE _{LCh}	64, 36.665, 227.610
Yxy	33.0612, 0.2100, 0.2760
Android (android.graphics.Color)	4278233803 (0xFF00AACB)
YUV	122.9320, 39.4735, -107.8114
Hunter-Lab	57.4989, -22.5341, -23.2239

Details

The XYZ color **25.1542, 33.0612, 61.5556** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **25.1743, 13.7870, 1.3356**, and the grayscale version is **18.7097, 19.6841, 21.4359**.

A 20% lighter version of the original color is **50.6132, 64.3794, 104.3666**, and **11.9032, 15.1268, 30.7262** is the 20% darker color. If you saturate the color by 10%, you get **25.1533, 33.0593, 61.5559**, and if you desaturate by 10%, it is **26.0769, 34.4676, 61.7791**.

Distribution



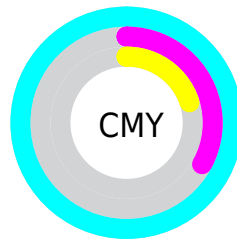
- Red (0%)
- Green (67%)
- Blue (80%)



- Red (0%)
- Yellow (36%)
- Blue (80%)



- Cyan (100%)
- Magenta (16%)
- Yellow (0%)
- Black (20%)



- Cyan (100%)
- Magenta (33%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.1542, 33.0612, 61.5556 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 25.1542, 33.0612, 61.5556 by changing the saturation by 10% instead.

■ 25.1542, 33.0612,
61.5556

■ 25.1542, 33.0612,
61.5556

270.9385,
315.9254, 448.2710

■ 16.3213, 22.1733,
44.2402

■ 51.3484, 64.4711,
108.6483

■ 9.8441, 13.9843,
30.5208

■ 69.4404, 85.7619,
139.2628

■ 5.3572, 8.1098,
19.9789

■ 91.3494, 111.2891,
175.1474

■ 2.4952, 4.1653,
12.1958

■ 117.4409,
141.4371, 216.7207

■ 0.8928, 1.7664,
6.7530

■ 148.0803,
176.5904, 264.4011

■ 0.0000, 0.4661,
3.2320

183.6327,

■ 0.0000, 0.0000,

217.1332, 318.6073

1.2143

224.4637,
263.4501, 379.7578

■ 0.0000, 0.0000,
0.0000

■ 25.1542, 33.0612,
61.5556

■ 25.1542, 33.0612,
61.5556

■ 25.1533, 33.0593,
61.5559

■ 26.0769, 34.4676,
61.7791

■ 27.3239, 36.0638,
62.0215

■ 29.0027, 37.9060,
62.2886

■ 31.1699, 40.0236,
62.5831

■ 33.8734, 42.4413,
62.9072

■ 37.1554, 45.1812,
63.2631

■ 41.0537, 48.2627,
63.6524

■ 45.6028, 51.7040,
64.0769

■ 50.8346, 55.5215,
64.5380

Harmonies

Analogous

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



22.8256, 33.0612, 45.3736



25.1542, 33.0612, 61.5556



29.3271, 33.0612, 71.8291

Triad

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



25.1542, 33.0612, 61.5556



42.2344, 33.0612, 42.4972



28.4951, 33.0612, 15.0235

Complementary

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



25.1542, 33.0612, 61.5556



25.1743, 13.7870, 1.3356

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.



33.6179, 33.0612, 14.6497



25.1542, 33.0612, 61.5556



41.9481, 33.0612, 28.0120

Square

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



25.1542, 33.0612, 61.5556



39.4009, 33.0612, 58.9561



38.6569, 33.0612, 18.7220



24.6031, 33.0612, 19.9401

Rectangle

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



25.1542, 33.0612, 61.5556



32.7664, 33.0612, 72.4882



38.6569, 33.0612, 18.7220



30.1182, 33.0612, 14.4232

Sweetspot

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



25.1553, 33.0624, 61.5564



68.4446, 80.5834, 106.5545



21.5974, 42.8089, 8.3860



14.0294, 16.7632, 22.7461



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.



25.1553, 33.0624, 61.5564



41.9800, 55.0800, 103.0267



13.0386, 8.8289, 57.5175



11.3820, 12.4043, 14.3648



16.0637, 21.1514, 39.1923



0.8712, 1.1762, 2.0361

Inverse Universe

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



31.8853, 15.6000, 39.3618



53.3188, 26.0915, 65.5359



32.8759, 29.1903, 3.9029



11.6062, 11.3712, 13.7266



20.3191, 9.9382, 25.1970



1.0697, 0.5213, 1.4129

Previews

White Background



This preview shows how the XYZ color 25.1542, 33.0612, 61.5556 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 25.1542, 33.0612, 61.5556 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

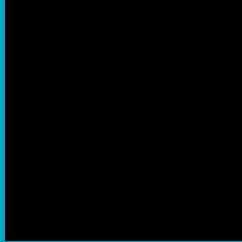
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 25.1542, 33.0612, 61.5556

Background



This preview shows how black text looks on a background with the XYZ color 25.1542, 33.0612, 61.5556.

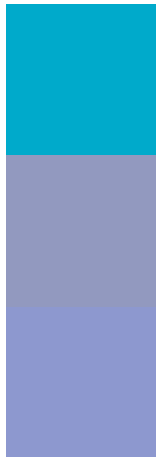


This preview shows how white text looks on a background with the XYZ color 25.1542, 33.0612,

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

25.1542, 33.0612, 61.5556

Protanopia

32.6493, 32.6550, 53.8725

Deuteranopia

33.4752, 32.6242, 63.5642



Tritanopia

23.6155, 33.0502, 51.5890

Trichromacy



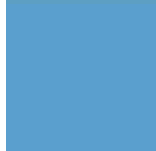
Original Color

25.1542, 33.0612, 61.5556



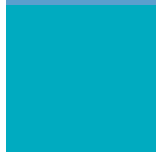
Protanomaly

26.7627, 31.0636, 56.2151



Deuteranomaly

27.7552, 31.4262, 62.9955



Tritanomaly

24.0773, 32.9316, 54.9566

Monochromacy



Original Color

25.1542, 33.0612, 61.5556



Achromatopsia

18.8265, 19.8069, 21.5697



Achromatomaly

18.1875, 22.6429, 33.1177

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.1542, 33.0612, 61.5556 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(0, 170, 203)` looks like.

```
.text, #text, p{  
    color:rgb(0, 170, 203)  
}
```

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(0, 170, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 170, 203) }
```

Border

The CSS property to change the border of an element to XYZ 25.1542, 33.0612, 61.5556 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(0, 170, 203) }
```


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

```
.border{ border-color:rgb(0, 170, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 170, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 170, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 170, 203);  
box-shadow:4px 4px 4px 4px rgb(0, 170,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 25.1542, 33.0612, 61.5556 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 170, 203) }
```

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

```
.background{ background-color: rgb(0, 170,  
203) }
```

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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