

Converting Colors

XYZ(20.6842, 30.6436, 60.1121)

Have a look what the booklet for
XYZ(20.6842, 30.6436, 60.1121)
contains.

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Color

**XYZ(24.7306, 32.5930,
60.2460)**

Conversions

Conversions Part 1

Format	Color
Hex	00A9C9
RGB	0, 169, 201
RGB Percent	0%, 66%, 79%
CMY	0.9998, 0.3372, 0.2118
CMYK	1.00, 0.16, 0.00, 0.21
HSL	190°, 100%, 39%
HSV	190°, 100%, 79%
XYZ	24.7306, 32.5930, 60.2460
YIQ	122.1170, -110.9960, -25.8760

Conversions

Conversions Part 2

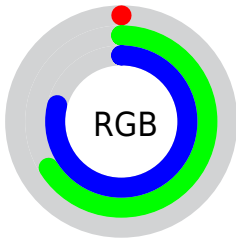
Format	Color
RYB	0, 92, 201
Decimal	43465
CIELab	63.83, -24.89, -26.55
CIELCh	64, 36.396, 226.852
Yxy	32.5930, 0.2103, 0.2772
Android (android.graphics.Color)	4278233545 (0xFF00A9C9)
YUV	122.1170, 38.8893, -107.0966
Hunter-Lab	57.0903, -22.5846, -22.6041

Details

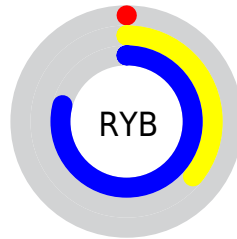
The XYZ color **24.7306, 32.5930, 60.2460** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **24.6056, 13.4531, 1.3011**, and the grayscale version is **18.4446, 19.4052, 21.1322**.

A 20% lighter version of the original color is **50.0725, 63.2980, 104.1864**, and **11.6277, 14.8292, 29.8532** is the 20% darker color. If you saturate the color by 10%, you get **24.7298, 32.5912, 60.2463**, and if you desaturate by 10%, it is **25.6254, 33.9497, 60.4613**.

Distribution



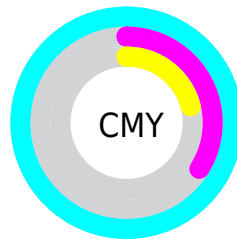
- Red (0%)
- Green (66%)
- Blue (79%)



- Red (0%)
- Yellow (36%)
- Blue (79%)



- Cyan (100%)
- Magenta (16%)
- Yellow (0%)
- Black (21%)



- Cyan (100%)
- Magenta (34%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.7306, 32.5930, 60.2460 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 24.7306, 32.5930, 60.2460 by changing the saturation by 10% instead.

■ 24.7306, 32.5930,
60.2460

■ 24.7306, 32.5930,
60.2460

268.8661,
313.8118, 443.3337

■ 16.0041, 21.8148,
43.1904

■ 50.6659, 63.7396,
106.7333

■ 9.6179, 13.7209,
29.7020

■ 68.6054, 84.8768,
137.0020

■ 5.2067, 7.9268,
19.3624

■ 90.3466, 110.2358,
172.5122

■ 2.4050, 4.0482,
11.7530

■ 116.2550,
140.2010, 213.6824

■ 0.8476, 1.7005,
6.4552

■ 146.6957,
175.1568, 260.9311

■ 0.0000, 0.4240,
3.0506

182.0342,

■ 0.0000, 0.0000,

215.4876, 314.6768

1.1205

222.6359,
261.5778, 375.3382

■ 0.0000, 0.0000,
0.0000

■ 24.7306, 32.5930,
60.2460

■ 24.7306, 32.5930,
60.2460

■ 24.7298, 32.5912,
60.2463

■ 25.6254, 33.9497,
60.4613

■ 26.8360, 35.4904,
60.6949

■ 28.4680, 37.2702,
60.9525

■ 30.5767, 39.3180,
61.2366

■ 33.2089, 41.6578,
61.5495

■ 36.4056, 44.3109,
61.8931

■ 40.2036, 47.2967,
62.2692

■ 44.6368, 50.6325,
62.6794

■ 49.7363, 54.3346,
63.1253

Harmonies

Analogous

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



22.4909, 32.5930, 44.2916



24.7306, 32.5930, 60.2460



28.7961, 32.5930, 70.5684

Triad

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



24.7306, 32.5930, 60.2460



41.5710, 32.5930, 42.2847



28.2153, 32.5930, 14.7881

Complementary

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



24.7306, 32.5930, 60.2460



24.6056, 13.4531, 1.3011

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.



33.2689, 32.5930, 14.5268



24.7306, 32.5930, 60.2460



41.3712, 32.5930, 27.9362

Square

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



24.7306, 32.5930, 60.2460



38.7184, 32.5930, 58.4330



38.1993, 32.5930, 18.6560



24.3459, 32.5930, 19.5070

Rectangle

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



24.7306, 32.5930, 60.2460



32.1664, 32.5930, 71.4207



38.1993, 32.5930, 18.6560



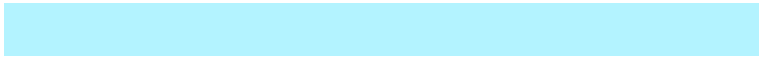
29.8205, 32.5930, 14.2329

Sweetspot

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



24.7317, 32.5941, 60.2468



68.5214, 80.7369, 106.5801



21.1242, 41.8688, 8.2091



14.0479, 16.8003, 22.7523



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.



24.7317, 32.5941, 60.2468



42.1968, 55.5136, 103.0989



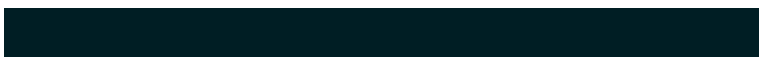
12.7573, 8.6454, 56.2553



10.7974, 11.7688, 13.6200



15.6048, 20.6035, 37.8988



0.7785, 1.0549, 1.8077

Inverse Universe

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



31.2498, 15.2833, 38.8401



53.4282, 26.1353, 66.1121



32.1595, 28.5609, 3.8191



11.0077, 10.7865, 13.0241



19.6759, 9.6199, 24.5670



0.9517, 0.4635, 1.2686

Previews

White Background



This preview shows how the XYZ color 24.7306, 32.5930, 60.2460 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 24.7306, 32.5930, 60.2460 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

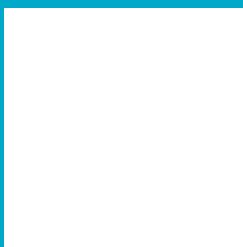
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.7306, 32.5930, 60.2460

Background



This preview shows how black text looks on a background with the XYZ color 24.7306, 32.5930, 60.2460.

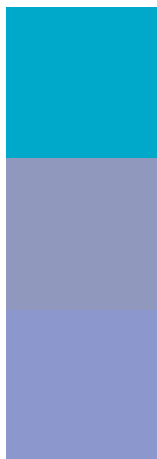


This preview shows how white text looks on a background with the XYZ color 24.7306, 32.5930,

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

24.7306, 32.5930, 60.2460

Protanopia

32.0906, 32.1503, 52.6584

Deuteranopia

32.9013, 32.1164, 62.2226



Tritanopia

23.2146, 32.5865, 50.4137

Trichromacy



Original Color

24.7306, 32.5930, 60.2460



Protanomaly

26.2661, 30.5793, 54.9701



Deuteranomaly

27.2458, 30.9372, 61.6622



Tritanomaly

23.6690, 32.4672, 53.7345

Monochromacy



Original Color

24.7306, 32.5930, 60.2460



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

17.9604, 22.3193, 32.6396

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.7306, 32.5930, 60.2460 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, 169, 201)` looks like.

```
.text, #text, p{  
    color:rgb(0, 169, 201)  
}
```

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, 169, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 169, 201) }
```

Border

The CSS property to change the border of an element to XYZ 24.7306, 32.5930, 60.2460 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, 169, 201) }
```


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

```
.border{ border-color:rgb(0, 169, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 169, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 169, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 169, 201);  
box-shadow:4px 4px 4px 4px rgb(0, 169,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 24.7306, 32.5930, 60.2460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 169, 201) }
```

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

```
.background{ background-color: rgb(0, 169,  
201) }
```

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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