

Converting Colors

XYZ(23.6530, 30.1452, 60.7880)

Have a look what the booklet for
XYZ(23.6530, 30.1452, 60.7880)
contains.

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Color

**XYZ(23.6998, 30.1525,
61.0708)**

Conversions

Conversions Part 1

Format	Color
Hex	00A2CB
RGB	0, 162, 203
RGB Percent	0%, 64%, 80%
CMY	0.9998, 0.3647, 0.2039
CMYK	1.00, 0.20, 0.00, 0.20
HSL	192°, 100%, 40%
HSV	192°, 100%, 80%
XYZ	23.6998, 30.1525, 61.0708
YIQ	118.2360, -109.7130, -21.5930

Conversions

Conversions Part 2

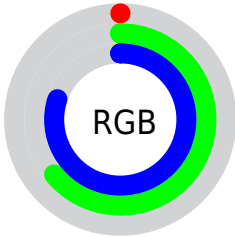
Format	Color
RYB	0, 90, 203
Decimal	41675
CIELab	61.79, -20.58, -30.83
CIELCh	62, 37.062, 236.276
Yxy	30.1525, 0.2062, 0.2624
Android (android.graphics.Color)	4278231755 (0xFF00A2CB)
YUV	118.2360, 41.7887, -103.6930
Hunter-Lab	54.9113, -19.0539, -27.5028

Details

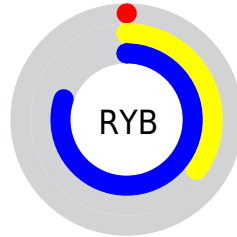
The XYZ color **23.6998, 30.1525, 61.0708** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **25.4234, 14.2854, 1.4186**, and the grayscale version is **17.1958, 18.0913, 19.7014**.

A 20% lighter version of the original color is **48.2297, 59.6124, 103.5721**, and **11.0007, 13.3218, 30.4253** is the 20% darker color. If you saturate the color by 10%, you get **23.6989, 30.1504, 61.0710**, and if you desaturate by 10%, it is **24.7300, 31.7740, 61.3301**.

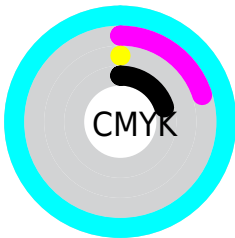
Distribution



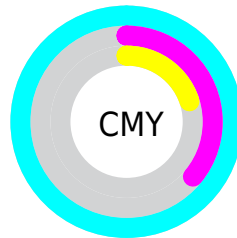
- Red (0%)
- Green (64%)
- Blue (80%)



- Red (0%)
- Yellow (35%)
- Blue (80%)



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



- Cyan (100%)
- Magenta (36%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.6998, 30.1525, 61.0708 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 23.6998, 30.1525, 61.0708 by changing the saturation by 10% instead.

■ 23.6998, 30.1525,
61.0708

■ 23.6998, 30.1525,
61.0708

263.7680,
302.6146, 446.4473

■ 15.2346, 19.9544,
43.8514

■ 48.9981, 59.9033,
107.9400

■ 9.0716, 12.3619,
30.2174

■ 66.5620, 80.2247,
138.4268

■ 4.8454, 6.9906,
19.7502

■ 87.8894, 104.6893,
174.1732

■ 2.1907, 3.4562,
12.0313

■ 113.3458,
133.6816, 215.5977

■ 0.7378, 1.3743,
6.6422

■ 143.2965,
167.5858, 263.1188

■ 0.0000, 0.1977,
3.1643

178.1068,

■ 0.0000, 0.0000,

206.7865, 317.1551

1.1791

218.1422,
251.6680, 378.1250

■ 0.0000, 0.0000,
0.0000

■ 23.6998, 30.1525,
61.0708

■ 23.6998, 30.1525,
61.0708

■ 23.6989, 30.1504,
61.0710

■ 24.7300, 31.7740,
61.3301

■ 26.0927, 33.6018,
61.6111

■ 27.8954, 35.6919,
61.9195

■ 30.1948, 38.0741,
62.2581

■ 33.0390, 40.7733,
62.6292

■ 36.4702, 43.8117,
63.0348

■ 40.5263, 47.2092,
63.4768

■ 45.2419, 50.9837,
63.9568

■ 50.6491, 55.1523,
64.4765

Harmonies

Analogous

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



20.9540, 30.1525, 46.4146



23.6998, 30.1525, 61.0708



28.0462, 30.1525, 68.1701

Triad

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



23.6998, 30.1525, 61.0708



39.2274, 30.1525, 34.6307



24.6543, 30.1525, 13.9732

Complementary

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



23.6998, 30.1525, 61.0708



25.4234, 14.2854, 1.4186

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.



29.2808, 30.1525, 12.4717



23.6998, 30.1525, 61.0708



38.0534, 30.1525, 22.1955

Square

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



23.6998, 30.1525, 61.0708



37.3126, 30.1525, 50.3793



34.2659, 30.1525, 14.9975



21.4590, 30.1525, 19.9195

Rectangle

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



23.6998, 30.1525, 61.0708



31.4060, 30.1525, 66.5020



34.2659, 30.1525, 14.9975



26.0771, 30.1525, 13.0216

Sweetspot

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



23.7008, 30.1535, 61.0716



67.5518, 78.7978, 106.2569



21.7505, 42.8701, 9.1928



13.8137, 16.3320, 22.6743



0.0000, 0.0000, 0.0000



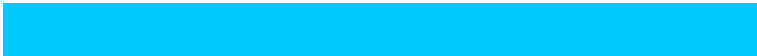
20.3446, 21.4041, 23.3091

Same Dimension

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



23.7008, 30.1535, 61.0716



39.5216, 50.1632, 102.2072



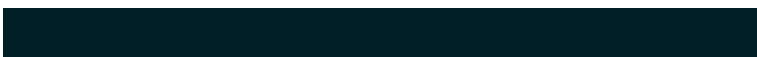
12.4451, 7.6420, 57.3196



11.3433, 12.3271, 14.3519



15.1476, 19.3193, 38.8869



0.8315, 1.0968, 2.0228

Inverse Universe

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



31.1511, 15.3062, 35.4960



52.0779, 25.5951, 59.0014



34.3189, 32.0764, 4.3837



11.5867, 11.3634, 13.6239



19.8567, 9.7533, 22.7620



1.0497, 0.5133, 1.3074

Previews

White Background



This preview shows how the XYZ color 23.6998, 30.1525, 61.0708 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 23.6998, 30.1525, 61.0708 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

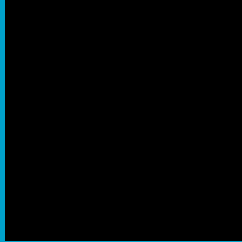
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 23.6998, 30.1525, 61.0708

Background



This preview shows how black text looks on a background with the XYZ color 23.6998, 30.1525, 61.0708.



This preview shows how white text looks on a background with the XYZ color 23.6998, 30.1525,

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

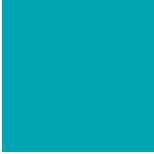
23.6998, 30.1525, 61.0708

Protanopia

30.2647, 29.9916, 54.0630

Deuteranopia

30.7495, 30.0396, 63.2090



Tritanopia

21.4910, 30.1246, 46.8014

Trichromacy



Original Color

23.6998, 30.1525, 61.0708

Protanomaly

25.1225, 28.4682, 56.3954

Deuteranomaly

25.8485, 28.7065, 62.5711

Tritanomaly

22.2451, 30.1388, 51.6586

Monochromacy



Original Color

23.6998, 30.1525, 61.0708

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

16.8516, 20.7160, 31.5442

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6998, 30.1525, 61.0708 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, 162, 203)` looks like.

```
.text, #text, p{  
    color:rgb(0, 162, 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, 162, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 162, 203) }
```

Border

The CSS property to change the border of an element to XYZ 23.6998, 30.1525, 61.0708 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, 162, 203) }
```


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

```
.border{ border-color:rgb(0, 162, 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, 162, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 162, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 162, 203);  
box-shadow:4px 4px 4px 4px rgb(0, 162,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6998, 30.1525, 61.0708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 162, 203) }
```

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

```
.background{ background-color: rgb(0, 162,  
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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