

Converting Colors

XYZ(13.1904, 21.9760, 66.2970)

Have a look what the booklet for
XYZ(13.1904, 21.9760, 66.2970)
contains.

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Color

**XYZ(23.2385, 27.2606,
66.9878)**

Conversions

Conversions Part 1

Format	Color
Hex	0098D5
RGB	0, 152, 213
RGB Percent	0%, 60%, 84%
CMY	0.9998, 0.4039, 0.1647
CMYK	1.00, 0.29, 0.00, 0.16
HSL	197°, 100%, 42%
HSV	197°, 100%, 84%
XYZ	23.2385, 27.2606, 66.9878
YIQ	113.5060, -110.1730, -13.2530

Conversions

Conversions Part 2

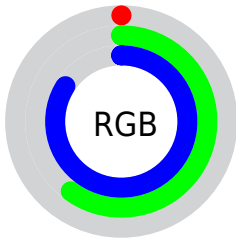
Format	Color
R _{YB}	0, 89, 213
Decimal	39125
CIE Lab	59.21, -11.55, -40.42
CIE LCh	59, 42.039, 254.052
Yxy	27.2606, 0.1978, 0.2320
Android (android.graphics.Color)	4278229205 (0xFF0098D5)
YUV	113.5060, 49.0505, -99.5448
Hunter-Lab	52.2117, -11.9232, -39.5211

Details

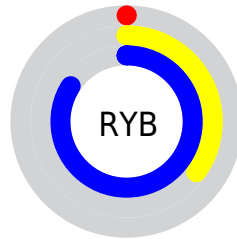
The XYZ color **23.2385, 27.2606, 66.9878** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **29.1126, 17.4893, 1.8429**, and the grayscale version is **15.7334, 16.5528, 18.0260**.

A 20% lighter version of the original color is **45.6008, 54.1874, 102.6635**, and **10.8252, 11.7760, 34.0502** is the 20% darker color. If you saturate the color by 10%, you get **23.2365, 27.2564, 66.9877**, and if you desaturate by 10%, it is **24.5716, 29.4563, 67.3419**.

Distribution



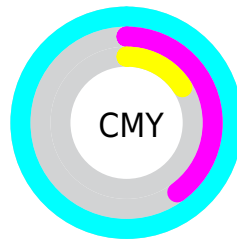
- Red (0%)
- Green (60%)
- Blue (84%)



- Red (0%)
- Yellow (35%)
- Blue (84%)



- Cyan (100%)
- Magenta (29%)
- Yellow (0%)
- Black (16%)



- Cyan (100%)
- Magenta (40%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.2385, 27.2606, 66.9878 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 23.2385, 27.2606, 66.9878 by changing the saturation by 10% instead.

■ 23.2385, 27.2606,
66.9878

■ 23.2385, 27.2606,
66.9878

261.4601,
288.9167, 468.4017

■ 14.8914, 17.7690,
48.6132

■ 48.2484, 55.3018,
116.5434

■ 8.8290, 10.7843,
33.9493

■ 65.6419, 74.6202,
148.5615

■ 4.6860, 5.9220,
22.5776

■ 86.7816, 97.9829,
185.9644

■ 2.0971, 2.7977,
14.0796

■ 112.0329,
125.7745, 229.1709

■ 0.6876, 1.0270,
8.0366

■ 141.7610,
158.3793, 278.5992

■ 0.0000, 0.0000,
4.0303

176.3313,

■ 0.0000, 0.0000,

196.1817, 334.6681

1.6420

216.1092,
239.5660, 397.7961

■ 0.0000, 0.0000,
0.3205

■ 0.0000, 0.0000,
0.0000

■ 23.2385, 27.2606,
66.9878

■ 23.2385, 27.2606,
66.9878

■ 23.2365, 27.2564,
66.9877

■ 24.5716, 29.4563,
67.3419

■ 26.3042, 31.9344,
67.7289

■ 28.5537, 34.7568,
68.1551

■ 31.3849, 37.9579,
68.6238

■ 34.8524, 41.5669,
69.1377

■ 39.0041, 45.6096,
69.6991

■ 43.8831, 50.1091,
70.3105

■ 49.5290, 55.0868,
70.9737

■ 55.9780, 60.5625,
71.6907

Harmonies

Analogous

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



19.3205, 27.2606, 54.6175



23.2385, 27.2606, 66.9878



28.4356, 27.2606, 67.4139

Triad

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



23.2385, 27.2606, 66.9878



36.9696, 27.2606, 23.2103



19.5149, 27.2606, 13.3939

Complementary

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



23.2385, 27.2606, 66.9878



29.1126, 17.4893, 1.8429

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.



23.5393, 27.2606, 9.5625



23.2385, 27.2606, 66.9878



33.8505, 27.2606, 13.7951

Square

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



23.2385, 27.2606, 66.9878



36.8603, 27.2606, 38.3409



28.7796, 27.2606, 9.6791



17.3771, 27.2606, 22.4363

Rectangle

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



23.2385, 27.2606, 66.9878



31.9740, 27.2606, 60.5975



28.7796, 27.2606, 9.6791



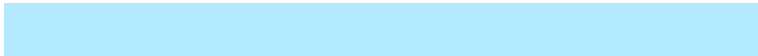
20.6663, 27.2606, 11.6141

Sweetspot

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



23.2395, 27.2615, 66.9885



65.6885, 75.0711, 105.6358



24.6210, 47.9196, 12.2806



13.3655, 15.4355, 22.5249



0.0000, 0.0000, 0.0000



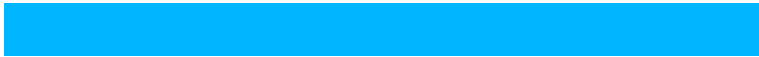
20.3446, 21.4041, 23.3091

Same Dimension

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



23.2395, 27.2615, 66.9885



34.7688, 40.6576, 100.6229



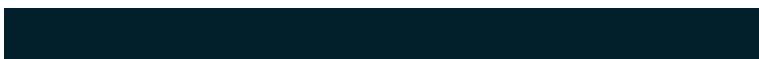
12.9955, 6.7734, 63.5738



12.4777, 13.4787, 15.8815



14.2849, 16.8316, 40.9491



0.9307, 1.1534, 2.4929

Inverse Universe

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



33.1090, 16.4144, 31.1298



49.6789, 24.6356, 46.3686



41.2345, 41.7332, 5.8835



12.7943, 12.5692, 14.8570



20.2692, 10.0440, 19.2535



1.2574, 0.6198, 1.3450

Previews

White Background



This preview shows how the XYZ color 23.2385, 27.2606, 66.9878 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 23.2385, 27.2606, 66.9878 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

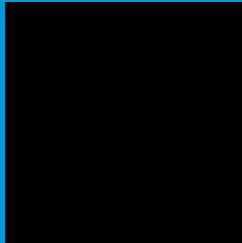
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.2385, 27.2606, 66.9878

Background



This preview shows how black text looks on a background with the XYZ color 23.2385, 27.2606, 66.9878.

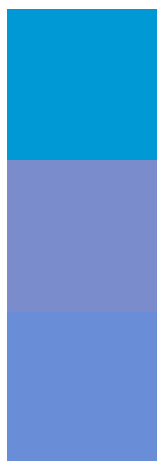


This preview shows how white text looks on a background with the XYZ color 23.2385, 27.2606,

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

23.2385, 27.2606, 66.9878

Protanopia

28.1836, 27.2055, 60.2657

Deuteranopia

27.8634, 27.0718, 68.7226



Tritanopia

19.3883, 27.3183, 41.7872

Trichromacy



Original Color

23.2385, 27.2606, 66.9878

Protanomaly

24.3776, 26.0712, 62.7789

Deuteranomaly

24.7059, 26.3504, 68.0740

Tritanomaly

20.6454, 27.2797, 50.0763

Monochromacy



Original Color

23.2385, 27.2606, 66.9878

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

15.9718, 19.0568, 31.6907

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2385, 27.2606, 66.9878 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, 152, 213)` looks like.

```
.text, #text, p{  
    color:rgb(0, 152, 213)  
}
```

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, 152, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 152, 213) }
```

Border

The CSS property to change the border of an element to XYZ 23.2385, 27.2606, 66.9878 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, 152, 213) }
```


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

```
.border{ border-color:rgb(0, 152, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 152, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 152, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 152, 213);  
box-shadow:4px 4px 4px 4px rgb(0, 152,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2385, 27.2606, 66.9878 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 152, 213) }
```

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

```
.background{ background-color: rgb(0, 152,  
213) }
```

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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