

Converting Colors

XYZ(18.3006, 24.9122, 66.6795)

Have a look what the booklet for
XYZ(18.3006, 24.9122, 66.6795)
contains.

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Color

**XYZ(23.4015, 27.5866,
67.0421)**

Conversions

Conversions Part 1

Format	Color
Hex	0099D5
RGB	0, 153, 213
RGB Percent	0%, 60%, 84%
CMY	0.9998, 0.4000, 0.1647
CMYK	1.00, 0.28, 0.00, 0.16
HSL	197°, 100%, 42%
HSV	197°, 100%, 84%
XYZ	23.4015, 27.5866, 67.0421
YIQ	114.0930, -110.4480, -13.7760

Conversions

Conversions Part 2

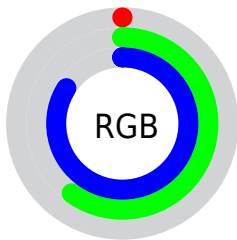
Format	Color
RYB	0, 89, 213
Decimal	39381
CIELab	59.51, -12.11, -39.95
CIELCh	60, 41.747, 253.139
Yxy	27.5866, 0.1983, 0.2337
Android (android.graphics.Color)	4278229461 (0xFF0099D5)
YUV	114.0930, 48.7612, -100.0596
Hunter-Lab	52.5229, -12.3848, -38.9137

Details

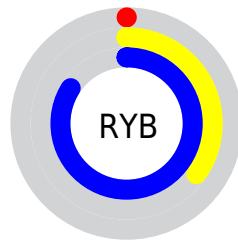
The XYZ color **23.4015, 27.5866, 67.0421** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **29.0596, 17.3835, 1.8252**, and the grayscale version is **15.9092, 16.7378, 18.2274**.

A 20% lighter version of the original color is **45.8423, 54.6704, 102.7440**, and **10.9229, 11.9714, 34.0828** is the 20% darker color. If you saturate the color by 10%, you get **23.3994, 27.5823, 67.0420**, and if you desaturate by 10%, it is **24.7258, 29.7648, 67.3933**.

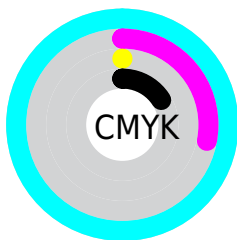
Distribution



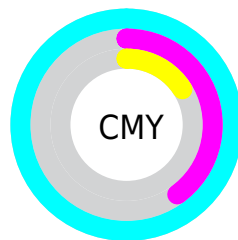
- Red (0%)
- Green (60%)
- Blue (84%)



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



- Cyan (100%)
- Magenta (28%)
- Yellow (0%)
- Black (16%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.4015, 27.5866, 67.0421 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 23.4015, 27.5866, 67.0421 by changing the saturation by 10% instead.

■ 23.4015, 27.5866,
67.0421

■ 23.4015, 27.5866,
67.0421

262.2775,
290.4862, 468.6002

■ 15.0126, 18.0143,
48.6570

■ 48.5136, 55.8237,
116.6220

■ 8.9146, 10.9602,
33.9838

■ 65.9674, 75.2574,
148.6538

■ 4.7422, 6.0401,
22.6039

■ 87.1737, 98.7468,
186.0717

■ 2.1300, 2.8695,
14.0988

■ 112.4976,
126.6766, 229.2941

■ 0.7054, 1.0640,
8.0499

■ 142.3046,
159.4310, 278.7397

■ 0.0000, 0.0000,
4.0386

176.9600,

■ 0.0000, 0.0000,

197.3945, 334.8268

1.6466

216.8292,
240.9514, 397.9741

■ 0.0000, 0.0000,
0.3237

■ 0.0000, 0.0000,
0.0000

■ 23.4015, 27.5866,
67.0421

■ 23.4015, 27.5866,
67.0421

■ 23.3994, 27.5823,
67.0420

■ 24.7258, 29.7648,
67.3933

■ 26.4480, 32.2221,
67.7769

■ 28.6856, 35.0206,
68.1991

■ 31.5032, 38.1944,
68.6632

■ 34.9554, 41.7728,
69.1719

■ 39.0901, 45.7814,
69.7278

■ 43.9503, 50.2434,
70.3328

■ 49.5756, 55.1800,
70.9892

■ 56.0023, 60.6109,
71.6988

Harmonies

Analogous

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



19.5259, 27.5866, 54.4422



23.4015, 27.5866, 67.0421



28.5811, 27.5866, 67.8749

Triad

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



23.4015, 27.5866, 67.0421



37.3232, 27.5866, 23.9361



19.9090, 27.5866, 13.5017

Complementary

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



23.4015, 27.5866, 67.0421



29.0596, 17.3835, 1.8252

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.



23.9931, 27.5866, 9.7712



23.4015, 27.5866, 67.0421



34.2925, 27.5866, 14.2954

Square

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



23.4015, 27.5866, 67.0421



37.1090, 27.5866, 39.2212



29.2567, 27.5866, 10.0027



17.7017, 27.5866, 22.4118

Rectangle

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



23.4015, 27.5866, 67.0421



32.1313, 27.5866, 61.3085



29.2567, 27.5866, 10.0027



21.0826, 27.5866, 11.7576

Sweetspot

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



23.4025, 27.5875, 67.0428



65.7903, 75.2748, 105.6697



24.5296, 47.8830, 11.7993



13.3900, 15.4844, 22.5330



0.0000, 0.0000, 0.0000



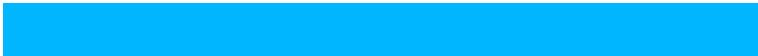
20.3446, 21.4041, 23.3091

Same Dimension

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



23.4025, 27.5875, 67.0428



35.0150, 41.1500, 100.7050



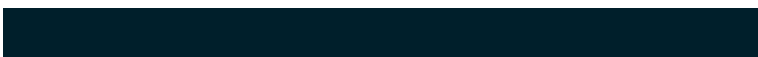
13.1405, 7.0635, 63.6221



12.4827, 13.4889, 15.8832



14.3837, 17.0292, 40.9820



0.9360, 1.1641, 2.4947

Inverse Universe

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



33.1913, 16.4474, 31.5630



49.8032, 24.6853, 47.0230



40.5939, 40.4520, 5.6700



12.7969, 12.5702, 14.8705



20.3191, 10.0640, 19.5162



1.2601, 0.6208, 1.3592

Previews

White Background



This preview shows how the XYZ color 23.4015, 27.5866, 67.0421 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 23.4015, 27.5866, 67.0421 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

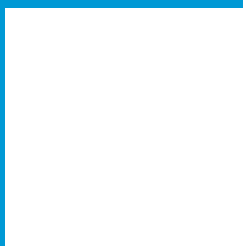
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.4015, 27.5866, 67.0421

Background



This preview shows how black text looks on a background with the XYZ color 23.4015, 27.5866, 67.0421.

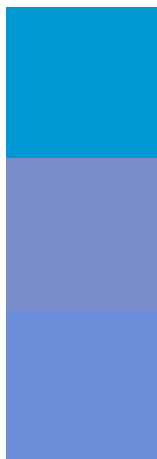


This preview shows how white text looks on a background with the XYZ color 23.4015, 27.5866,

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

23.4015, 27.5866, 67.0421

Protanopia

28.3260, 27.2789, 60.2723

Deuteranopia

28.2520, 27.4920, 68.7832



Tritanopia

19.6538, 27.6986, 42.3407

Trichromacy



Original Color

23.4015, 27.5866, 67.0421

Protanomaly

24.5298, 26.3755, 62.8296

Deuteranomaly

24.9989, 26.7293, 68.1317

Tritanomaly

20.9199, 27.6591, 50.6905

Monochromacy



Original Color

23.4015, 27.5866, 67.0421

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 23.4015, 27.5866, 67.0421 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, 153, 213)` looks like.

```
.text, #text, p{  
    color:rgb(0, 153, 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, 153, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 153, 213) }
```

Border

The CSS property to change the border of an element to XYZ 23.4015, 27.5866, 67.0421 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, 153, 213) }
```


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

```
.border{ border-color:rgb(0, 153, 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, 153, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 153, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 153, 213);  
box-shadow:4px 4px 4px 4px rgb(0, 153,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 23.4015, 27.5866, 67.0421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 153, 213) }
```

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

```
.background{ background-color: rgb(0, 153,  
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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