

Converting Colors

XYZ(20.0206, 27.3739, 62.8432)

Have a look what the booklet for
XYZ(20.0206, 27.3739, 62.8432)
contains.

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Color

**XYZ(23.5387, 29.2525,
62.7982)**

Conversions

Conversions Part 1

Format	Color
Hex	009FCE
RGB	0, 159, 206
RGB Percent	0%, 62%, 81%
CMY	0.9998, 0.3765, 0.1922
CMYK	1.00, 0.23, 0.00, 0.19
HSL	194°, 100%, 40%
HSV	194°, 100%, 81%
XYZ	23.5387, 29.2525, 62.7982
YIQ	116.8170, -109.8510, -19.0910

Conversions

Conversions Part 2

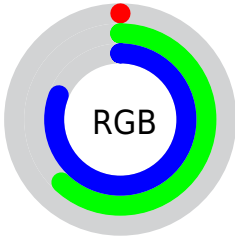
Format	Color
RYB	0, 90, 206
Decimal	40910
CIELab	61.00, -17.92, -33.71
CIELCh	61, 38.181, 242.006
Yxy	29.2525, 0.2036, 0.2531
Android (android.graphics.Color)	4278230990 (0xFF009FCE)
YUV	116.8170, 43.9672, -102.4485
Hunter-Lab	54.0856, -16.9644, -30.9811

Details

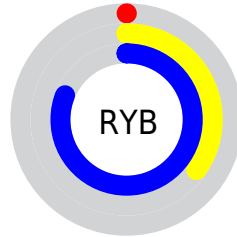
The XYZ color **23.5387, 29.2525, 62.7982** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **26.4724, 15.1587, 1.5320**, and the grayscale version is **16.7492, 17.6215, 19.1898**.

A 20% lighter version of the original color is **47.4634, 58.0798, 103.3167**, and **10.9485, 12.9595, 31.2025** is the 20% darker color. If you saturate the color by 10%, you get **23.5374, 29.2496, 62.7983**, and if you desaturate by 10%, it is **24.6648, 31.0565, 63.0877**.

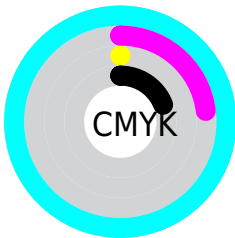
Distribution



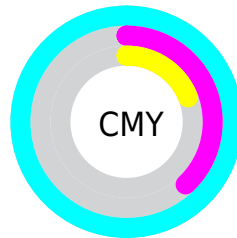
- Red (0%)
- Green (62%)
- Blue (81%)



- Red (0%)
- Yellow (35%)
- Blue (81%)



- Cyan (100%)
- Magenta (23%)
- Yellow (0%)
- Black (19%)



- Cyan (100%)
- Magenta (38%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.5387, 29.2525, 62.7982 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 23.5387, 29.2525, 62.7982 by changing the saturation by 10% instead.

■ 23.5387, 29.2525,
62.7982

■ 23.5387, 29.2525,
62.7982

262.9639,
298.4045, 452.9245

■ 15.1147, 19.2719,
45.2380

■ 48.7365, 58.4780,
110.4611

■ 8.9867, 11.8669,
31.3006

■ 66.2411, 78.4917,
141.4009

■ 4.7896, 6.6531,
20.5675

■ 87.5031, 102.6186,
177.6376

■ 2.1578, 3.2461,
12.6201

■ 112.8881,
131.2431, 219.5899

■ 0.7204, 1.2615,
7.0398

■ 142.7613,
164.7495, 267.6761

■ 0.0000, 0.1111,
3.4082

177.4881,

■ 0.0000, 0.0000,

203.5223, 322.3150

1.3066

217.4338,
247.9458, 383.9249

■ 0.0000, 0.0000,
0.0672

■ 0.0000, 0.0000,
0.0000

■ 23.5387, 29.2525,
62.7982

■ 23.5387, 29.2525,
62.7982

■ 23.5374, 29.2496,
62.7983

■ 24.6648, 31.0565,
63.0877

■ 26.1423, 33.0874,
63.4018

■ 28.0813, 35.4028,
63.7465

■ 30.5410, 38.0337,
64.1247

■ 33.5714, 41.0064,
64.5387

■ 37.2162, 44.3438,
64.9908

■ 41.5149, 48.0669,
65.4829

■ 46.5035, 52.1945,
66.0167

■ 52.2153, 56.7444,
66.5938

Harmonies

Analogous

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



20.4350, 29.2525, 48.7479



23.5387, 29.2525, 62.7982



28.1408, 29.2525, 67.9626

Triad

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



23.5387, 29.2525, 62.7982



38.5374, 29.2525, 30.8988



23.0220, 29.2525, 13.7694

Complementary

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



23.5387, 29.2525, 62.7982



26.4724, 15.1587, 1.5320

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.



27.4691, 29.2525, 11.5252



23.5387, 29.2525, 62.7982



36.7596, 29.2525, 19.3939

Square

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



23.5387, 29.2525, 62.7982



37.1657, 29.2525, 46.5688



32.5549, 29.2525, 13.2268



20.1627, 29.2525, 20.6154

Rectangle

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



23.5387, 29.2525, 62.7982



31.5561, 29.2525, 64.7252



32.5549, 29.2525, 13.2268



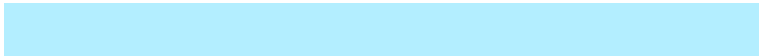
24.3611, 29.2525, 12.5629

Sweetspot

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



23.5397, 29.2535, 62.7989



66.9666, 77.6273, 106.0618



22.5394, 44.3303, 9.8180



13.6727, 16.0499, 22.6273



0.0000, 0.0000, 0.0000



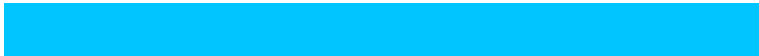
20.3446, 21.4041, 23.3091

Same Dimension

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



23.5397, 29.2535, 62.7989



37.9729, 47.0658, 101.6910



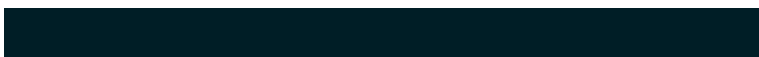
12.6745, 7.5231, 59.1772



11.3178, 12.2759, 14.3434



14.5695, 18.1630, 38.6942



0.8062, 1.0461, 2.0144

Inverse Universe

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



31.7125, 15.6262, 34.1465



51.2962, 25.2825, 54.8850



35.9887, 34.1913, 4.7041



11.5738, 11.3582, 13.5560



19.5649, 9.6366, 21.2253



1.0369, 0.5081, 1.2399

Previews

White Background



This preview shows how the XYZ color 23.5387, 29.2525, 62.7982 looks on a white background.

Color Contrast Check

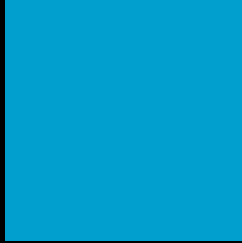
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.5387, 29.2525, 62.7982 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 23.5387, 29.2525, 62.7982

Background



This preview shows how black text looks on a background with the XYZ color 23.5387, 29.2525, 62.7982.

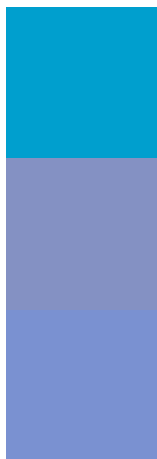


This preview shows how white text looks on a background with the XYZ color 23.5387, 29.2525,

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

23.5387, 29.2525, 62.7982

Protanopia

29.4914, 29.0965, 55.6916

Deuteranopia

29.6601, 28.9918, 64.3543

Trichromacy



Original Color

23.5387, 29.2525, 62.7982

Protanomaly

24.8713, 27.8210, 58.0920

Deuteranomaly

25.4334, 27.9865, 63.7360

Monochromacy



Original Color

23.5387, 29.2525, 62.7982

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

16.5001, 20.1283, 31.4493

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.5387, 29.2525, 62.7982 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, 159, 206)` looks like.

```
.text, #text, p{  
    color:rgb(0, 159, 206)  
}
```

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, 159, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 159, 206) }
```

Border

The CSS property to change the border of an element to XYZ 23.5387, 29.2525, 62.7982 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, 159, 206) }
```

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

```
.border{ border-color:rgb(0, 159, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 159, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 159, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 159, 206);  
box-shadow:4px 4px 4px 4px rgb(0, 159,  
206) }
```


Background

The CSS property to change the background color of an element to XYZ 23.5387, 29.2525, 62.7982 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 159, 206) }
```

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

```
.background{ background-color: rgb(0, 159,  
206) }
```

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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