

Converting Colors

XYZ(24.7878, 30.6807, 62.0826)

Have a look what the booklet for
XYZ(24.7878, 30.6807, 62.0826)
contains.

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Color

**XYZ(24.8542, 30.7199,
62.3772)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 29A2CD |
| RGB | 41, 162, 205 |
| RGB Percent | 16%, 64%, 80% |
| CMY | 0.8392, 0.3647, 0.1961 |
| CMYK | 0.80, 0.21, 0.00, 0.20 |
| HSL | 196°, 67%, 48% |
| HSV | 196°, 80%, 80% |
| XYZ | 24.8542, 30.7199, 62.3772 |
| YIQ | 130.7230, -85.9190, -12.2790 |

Conversions

Conversions Part 2

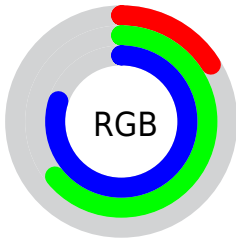
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 41, 111, 205 |
| Decimal | 2728653 |
| CIE _{Lab} | 62.27, -17.64, -31.16 |
| CIE _{LCh} | 62, 35.803, 240.486 |
| Yxy | 30.7199, 0.2107, 0.2604 |
| Android (android.graphics.Color) | 4280918733 (0xFF29A2CD) |
| YUV | 130.7230, 36.6186, -78.6871 |
| Hunter-Lab | 55.4255, -16.9508, -27.9285 |

Details

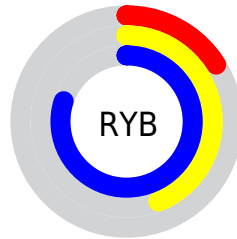
The XYZ color **24.8542, 30.7199, 62.3772** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle muted azure. A complement of this color would be **28.7488, 19.4819, 4.3441**, and the grayscale version is **21.3720, 22.4851, 24.4862**.

A 20% lighter version of the original color is **49.6729, 60.3564, 103.6397**, and **11.1618, 13.3862, 31.2737** is the 20% darker color. If you saturate the color by 10%, you get **23.3126, 28.5499, 62.0402**, and if you desaturate by 10%, it is **26.8637, 33.1922, 62.7491**.

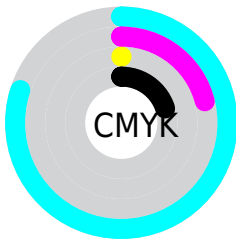
Distribution



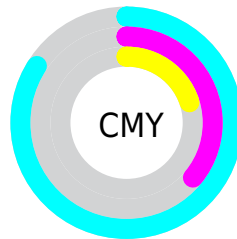
- Red (16%)
- Green (64%)
- Blue (80%)



- Red (16%)
- Yellow (44%)
- Blue (80%)



- Cyan (80%)
- Magenta (21%)
- Yellow (0%)
- Black (20%)



- Cyan (84%)
- Magenta (36%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.8542, 30.7199, 62.3772 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 24.8542, 30.7199, 62.3772 by changing the saturation by 10% instead.

■ 24.8542, 30.7199,
62.3772

■ 24.8542, 30.7199,
62.3772

269.4721,
305.2458, 451.3512

■ 16.0966, 20.3857,
44.8998

■ 50.8652, 60.7988,
109.8474

■ 9.6838, 12.6757,
31.0361

■ 68.8493, 81.3123,
140.6772

■ 5.2505, 7.2056,
20.3677

■ 90.6397, 105.9876,
176.7950

■ 2.4312, 3.5910,
12.4759

■ 116.6016,
135.2091, 218.6192

■ 0.8607, 1.4475,
6.9422

■ 147.1004,
169.3614, 266.5684

■ 0.0000, 0.2514,
3.3481

182.5016,

■ 0.0000, 0.0000,

208.8286, 321.0611

1.2750

223.1703,
253.9953, 382.5159

■ 0.0000, 0.0000,
0.0412

■ 0.0000, 0.0000,
0.0000

■ 24.8542, 30.7199,
62.3772

■ 24.8542, 30.7199,
62.3772

■ 23.3126, 28.5499,
62.0402

■ 26.8637, 33.1922,
62.7491

■ 22.1269, 26.6223,
61.7306

■ 29.3966, 35.9947,
63.1565

■ 22.1262, 26.6211,
61.7304

■ 32.5033, 39.1544,
63.6027

■ 36.2273, 42.6947,
64.0898

■ 40.6078, 46.6363,
64.6197

■ 45.6805, 50.9984,
65.1943

■ 51.4784, 55.7986,
65.8152

■ 58.0325, 61.0536,
66.4841

■ 65.3717, 66.7789,
67.2024

Harmonies

Analogous

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



21.8980, 30.7199, 48.8547



24.8542, 30.7199, 62.3772



29.2773, 30.7199, 67.7573

Triad

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



24.8542, 30.7199, 62.3772



39.5151, 30.7199, 33.2233



24.7316, 30.7199, 15.3523

Complementary

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



24.8542, 30.7199, 62.3772



28.7488, 19.4819, 4.3441

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.



29.1195, 30.7199, 13.2653



24.8542, 30.7199, 62.3772



37.9639, 30.7199, 21.6787

Square

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



24.8542, 30.7199, 62.3772



38.0580, 30.7199, 48.3525



34.0213, 30.7199, 15.2182



21.8329, 30.7199, 21.9732

Rectangle

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



24.8542, 30.7199, 62.3772



32.5741, 30.7199, 65.0988



34.0213, 30.7199, 15.2182



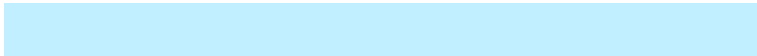
26.0643, 30.7199, 14.1945

Sweetspot

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



24.8553, 30.7210, 62.3780



71.0996, 80.3684, 106.3730



24.2699, 44.7441, 15.3419



14.5866, 16.6564, 22.6962



0.0000, 0.0000, 0.0000



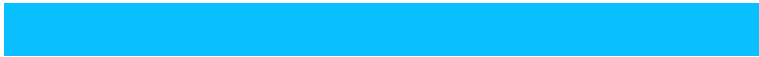
20.3446, 21.4041, 23.3091

Same Dimension

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



24.8553, 30.7210, 62.3780



36.7675, 44.4655, 101.2526



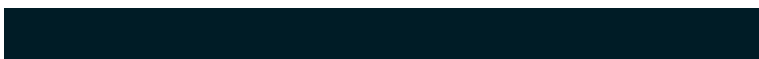
14.9526, 10.9156, 59.0771



11.2847, 12.2098, 14.3323



13.8551, 16.7342, 38.4561



0.7744, 0.9826, 2.0038

Inverse Universe

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



32.4923, 17.1747, 35.7860



50.7340, 25.2347, 51.3786



38.8537, 39.6918, 7.7125



11.5571, 11.3516, 13.4681



19.2043, 9.4923, 19.3265



1.0208, 0.5017, 1.1555

Previews

White Background



This preview shows how the XYZ color 24.8542, 30.7199, 62.3772 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 24.8542, 30.7199, 62.3772 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

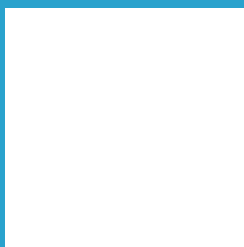
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.8542, 30.7199, 62.3772

Background



This preview shows how black text looks on a background with the XYZ color 24.8542, 30.7199, 62.3772.

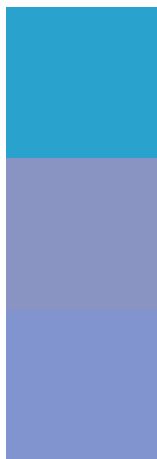


This preview shows how white text looks on a background with the XYZ color 24.8542, 30.7199,

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

24.8542, 30.7199, 62.3772

Protanopia

30.6440, 30.3932, 55.2903

Deuteranopia

31.1810, 30.4797, 63.9143



Tritanopia

21.8744, 30.5677, 47.9273

Trichromacy



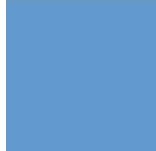
Original Color

24.8542, 30.7199, 62.3772



Protanomaly

27.0638, 29.6845, 57.7293



Deuteranomaly

27.6907, 29.8841, 63.3402



Tritanomaly

22.8374, 30.6859, 52.8634

Monochromacy



Original Color

24.8542, 30.7199, 62.3772



Achromatopsia

21.5731, 22.6966, 24.7166



Achromatomaly

20.8816, 24.4113, 35.9590

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.8542, 30.7199, 62.3772 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(41, 162, 205)` looks like.

```
.text, #text, p{  
    color:rgb(41, 162, 205)  
}
```

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(41, 162, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 162, 205) }
```

Border

The CSS property to change the border of an element to XYZ 24.8542, 30.7199, 62.3772 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(41, 162, 205) }
```


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

```
.border{ border-color:rgb(41, 162, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 162, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 162, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 162, 205);  
box-shadow:4px 4px 4px 4px rgb(41, 162,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 24.8542, 30.7199, 62.3772 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 162, 205) }
```

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

```
.background{ background-color: rgb(41, 162,  
205) }
```

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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