

Converting Colors

XYZ(24.2372, 31.8440, 56.7388)

Have a look what the booklet for
XYZ(24.2372, 31.8440, 56.7388)
contains.

XYZ(24.2045, 31.8536, 56.5024)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(24.2045, 31.8536,
56.5024)**

Conversions

Conversions Part 1

Format	Color
Hex	1EA7C3
RGB	30, 167, 195
RGB Percent	12%, 65%, 76%
CMY	0.8823, 0.3451, 0.2353
CMYK	0.85, 0.14, 0.00, 0.24
HSL	190°, 73%, 44%
HSV	190°, 85%, 76%
XYZ	24.2045, 31.8536, 56.5024
YIQ	129.2290, -90.6400, -20.3360

Conversions

Conversions Part 2

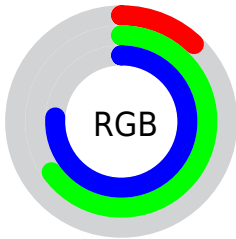
Format	Color
RYB	30, 105, 195
Decimal	2009027
CIELab	63.22, -24.55, -24.13
CIELCh	63, 34.421, 224.507
Yxy	31.8536, 0.2150, 0.2830
Android (android.graphics.Color)	4280199107 (0xFF1EA7C3)
YUV	129.2290, 32.4251, -87.0238
Hunter-Lab	56.4390, -22.2165, -19.8493

Details

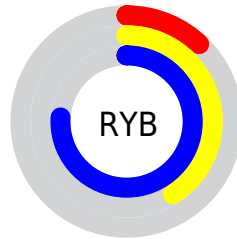
The XYZ color **24.2045, 31.8536, 56.5024** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **24.2545, 14.7240, 2.7932**, and the grayscale version is **20.8615, 21.9479, 23.9012**.

A 20% lighter version of the original color is **49.7554, 62.3966, 101.5168**, and **10.9385, 14.1846, 27.3607** is the 20% darker color. If you saturate the color by 10%, you get **23.2027, 30.4492, 56.2847**, and if you desaturate by 10%, it is **25.5755, 33.4725, 56.7432**.

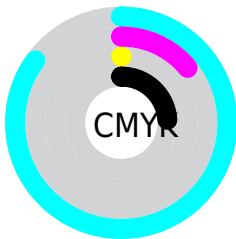
Distribution



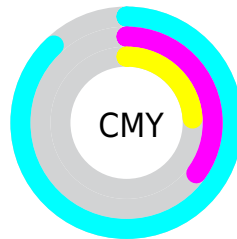
- Red (12%)
- Green (65%)
- Blue (76%)



- Red (12%)
- Yellow (41%)
- Blue (76%)



- Cyan (85%)
- Magenta (14%)
- Yellow (0%)
- Black (24%)



- Cyan (88%)
- Magenta (35%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.2045, 31.8536, 56.5024 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 24.2045, 31.8536, 56.5024 by changing the saturation by 10% instead.

■ 24.2045, 31.8536,
56.5024

■ 24.2045, 31.8536,
56.5024

266.2741,
310.4518, 429.0235

■ 15.6109, 21.2497,
40.1992

■ 49.8160, 62.5815,
101.2319

■ 9.3384, 13.3066,
27.3789

■ 67.5646, 83.4743,
130.4952

■ 5.0214, 7.6400,
17.6230

■ 89.0956, 108.5655,
164.9156

■ 2.2947, 3.8655,
10.5131

■ 114.7744,
138.2396, 204.9117

■ 0.7920, 1.5986,
5.6304

■ 144.9662,
172.8808, 250.9020

■ 0.0000, 0.3567,
2.5566

180.0366,

■ 0.0000, 0.0000,

212.8737, 303.3051

0.8699

220.3507,
258.6026, 362.5394

■ 0.0000, 0.0000,
0.0000

■ 24.2045, 31.8536,
56.5024

■ 24.2045, 31.8536,
56.5024

■ 23.2027, 30.4492,
56.2847

■ 25.5755, 33.4725,
56.7432

■ 22.7545, 29.7484,
56.1731

■ 27.3690, 35.3319,
57.0076

■ 29.6327, 37.4570,
57.2985

■ 32.4068, 39.8689,
57.6178

■ 35.7274, 42.5861,
57.9673

■ 39.6268, 45.6256,
58.3484

■ 44.1353, 49.0030,
58.7627

■ 49.2805, 52.7329,
59.2115

■ 55.0887, 56.8289,
59.6960

Harmonies

Analogous

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



22.2490, 31.8536, 41.6748



24.2045, 31.8536, 56.5024



27.8954, 31.8536, 66.5848

Triad

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



24.2045, 31.8536, 56.5024



39.9837, 31.8536, 42.1696



28.0399, 31.8536, 14.9875

Complementary

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



24.2045, 31.8536, 56.5024



24.2545, 14.7240, 2.7932

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.



32.7880, 31.8536, 15.0544



24.2045, 31.8536, 56.5024



40.0328, 31.8536, 28.5208

Square

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



24.2045, 31.8536, 56.5024



37.1582, 31.8536, 56.9455



37.2861, 31.8536, 19.3581



24.3006, 31.8536, 19.1425

Rectangle

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



24.2045, 31.8536, 56.5024



31.0010, 31.8536, 67.9404



37.2861, 31.8536, 19.3581



29.5621, 31.8536, 14.5602

Sweetspot

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



24.2055, 31.8547, 56.5032



70.3868, 81.2680, 104.4463



20.8028, 39.6076, 10.4873



14.8457, 17.3585, 22.8180



0.0000, 0.0000, 0.0000



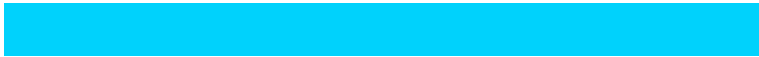
20.3446, 21.4041, 23.3091

Same Dimension

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



24.2055, 31.8547, 56.5032



40.5918, 52.9563, 100.5520



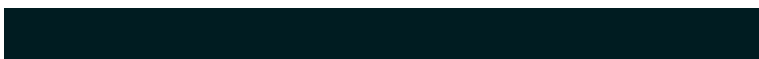
13.6359, 10.7155, 52.9800



10.2184, 11.1281, 12.8942



14.8427, 19.4419, 36.5270



0.6807, 0.9188, 1.5913

Inverse Universe

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



29.9460, 15.3219, 37.9394



51.8920, 25.4132, 62.8867



32.1196, 30.4543, 5.4150



10.4215, 10.2172, 12.3103



18.8879, 9.2449, 23.1195



0.8360, 0.4074, 1.1036

Previews

White Background



This preview shows how the XYZ color 24.2045, 31.8536, 56.5024 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 24.2045, 31.8536, 56.5024 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

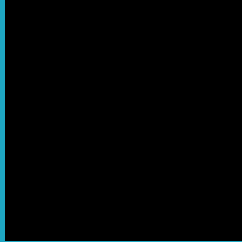
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 24.2045, 31.8536, 56.5024

Background



This preview shows how black text looks on a background with the XYZ color 24.2045, 31.8536, 56.5024.

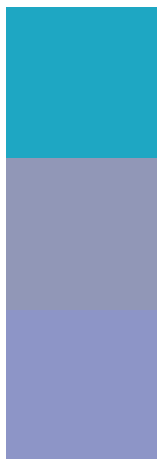


This preview shows how white text looks on a background with the XYZ color 24.2045, 31.8536,

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

24.2045, 31.8536, 56.5024

Protanopia

31.2909, 31.5719, 49.2445

Deuteranopia

32.0408, 31.2811, 58.3820



Tritanopia

22.7352, 31.7948, 49.7385

Trichromacy



Original Color

24.2045, 31.8536, 56.5024

Protanomaly

26.6201, 30.5854, 51.5142

Deuteranomaly

27.4483, 30.6209, 57.8898

Tritanomaly

23.1103, 31.6643, 51.9075

Monochromacy



Original Color

24.2045, 31.8536, 56.5024

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

20.0864, 24.2720, 33.7633

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.2045, 31.8536, 56.5024 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(30, 167, 195)` looks like.

```
.text, #text, p{  
    color:rgb(30, 167, 195)  
}
```

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(30, 167, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 167, 195) }
```

Border

The CSS property to change the border of an element to XYZ 24.2045, 31.8536, 56.5024 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(30, 167, 195) }
```


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

```
.border{ border-color:rgb(30, 167, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 167, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 167, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 167, 195);  
box-shadow:4px 4px 4px 4px rgb(30, 167,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 24.2045, 31.8536, 56.5024 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 167, 195) }
```

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

```
.background{ background-color: rgb(30, 167,  
195) }
```

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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