

Converting Colors

XYZ(20.3269, 26.7655, 49.0756)

Have a look what the booklet for
XYZ(20.3269, 26.7655, 49.0756)
contains.

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Color

**XYZ(20.3812, 26.9197,
48.9216)**

Conversions

Conversions Part 1

Format	Color
Hex	099BB7
RGB	9, 155, 183
RGB Percent	4%, 61%, 72%
CMY	0.9646, 0.3921, 0.2823
CMYK	0.95, 0.15, 0.00, 0.28
HSL	190°, 91%, 38%
HSV	190°, 95%, 72%
XYZ	20.3812, 26.9197, 48.9216
YIQ	114.5380, -96.0040, -22.2440

Conversions

Conversions Part 2

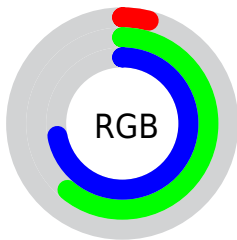
Format	Color
R_{YB}	9, 88, 183
Decimal	629687
CIE _{Lab}	58.90, -23.57, -24.05
CIE _{LCh}	59, 33.672, 225.569
Yxy	26.9197, 0.2118, 0.2798
Android (android.graphics.Color)	4278819767 (0xFF099BB7)
YUV	114.5380, 33.7518, -92.5568
Hunter-Lab	51.8842, -20.6788, -19.5856

Details

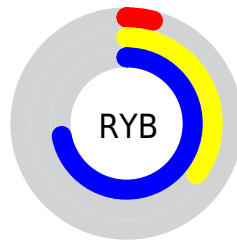
The XYZ color **20.3812, 26.9197, 48.9216** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **20.2406, 11.4120, 1.3952**, and the grayscale version is **16.0811, 16.9186, 18.4243**.

A 20% lighter version of the original color is **43.6636, 54.9219, 89.9610**, and **8.9796, 11.5123, 22.8679** is the 20% darker color. If you saturate the color by 10%, you get **20.0287, 26.3816, 48.8368**, and if you desaturate by 10%, it is **21.2260, 28.0923, 49.1039**.

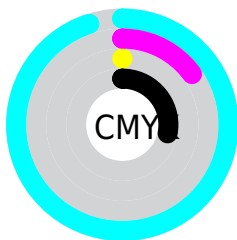
Distribution



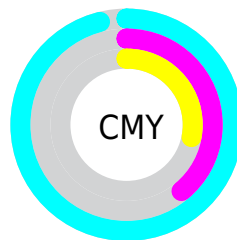
- Red (4%)
- Green (61%)
- Blue (72%)



- Red (4%)
- Yellow (35%)
- Blue (72%)



- Cyan (95%)
- Magenta (15%)
- Yellow (0%)
- Black (28%)



- Cyan (96%)
- Magenta (39%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3812, 26.9197, 48.9216 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 20.3812, 26.9197, 48.9216 by changing the saturation by 10% instead.

■ 20.3812, 26.9197,
48.9216

■ 20.3812, 26.9197,
48.9216

■ 246.7658,
287.2681, 399.0472

■ 12.7823, 17.5129,
34.1921

■ 43.5545, 54.7550,
89.9548

■ 7.3548, 10.6009,
22.7627

■ 59.8595, 73.9523,
117.0956

■ 3.7332, 5.7991,
14.2147

■ 79.7974, 97.1819,
149.2106

■ 1.5524, 2.7233,
8.1297

■ 103.7334,
124.8282, 186.7183

■ 0.3610, 0.9891,
4.0891

■ 132.0329,
157.2755, 230.0372

■ 0.0000, 0.0000,
1.6743

■ 165.0612,

■ 0.0000, 0.0000,

194.9084, 279.5860

0.3431

203.1837,
238.1111, 335.7832

■ 0.0000, 0.0000,
0.0000

■ 20.3812, 26.9197,
48.9216

■ 20.3812, 26.9197,
48.9216

■ 20.0287, 26.3816,
48.8368

■ 21.2260, 28.0923,
49.1039

■ 22.3835, 29.4434,
49.3037

■ 23.9035, 30.9995,
49.5240

■ 25.8260, 32.7811,
49.7665

■ 28.1854, 34.8062,
50.0330

■ 31.0127, 37.0908,
50.3250

■ 34.3357, 39.6495,
50.6437

■ 38.1803, 42.4957,
50.9905

■ 42.5703, 45.6417,
51.3663

Harmonies

Analogous

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



18.6232, 26.9197, 35.9057



20.3812, 26.9197, 48.9216



23.6427, 26.9197, 57.5946

Triad

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



20.3812, 26.9197, 48.9216



34.1491, 26.9197, 35.4041



23.4972, 26.9197, 12.3075

Complementary

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



20.3812, 26.9197, 48.9216



20.2406, 11.4120, 1.3952

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.



27.6338, 26.9197, 12.2415



20.3812, 26.9197, 48.9216



34.0992, 26.9197, 23.5776

Square

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



20.3812, 26.9197, 48.9216



31.7397, 26.9197, 48.4696



31.6099, 26.9197, 15.7975



20.2847, 26.9197, 16.0119

Rectangle

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



20.3812, 26.9197, 48.9216



26.3712, 26.9197, 58.5650



31.6099, 26.9197, 15.7975



24.8172, 26.9197, 11.9010

Sweetspot

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



20.3821, 26.9207, 48.9223



58.7553, 68.9266, 90.4431



17.3519, 34.0478, 7.2572



12.4312, 14.8004, 19.9232



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



20.3821, 26.9207, 48.9223



35.7276, 46.9625, 87.4173



10.8455, 7.8474, 45.7434



9.1403, 9.9578, 11.5197



14.0142, 18.4880, 34.0830



0.5273, 0.7184, 1.2126

Inverse Universe

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



25.5433, 12.6300, 32.1029



45.2821, 22.1531, 55.9122



26.5513, 24.0335, 3.4988



9.3172, 9.1372, 11.0176



17.6874, 8.6487, 22.0383



0.6403, 0.3116, 0.8654

Previews

White Background



This preview shows how the XYZ color 20.3812, 26.9197, 48.9216 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 20.3812, 26.9197, 48.9216 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

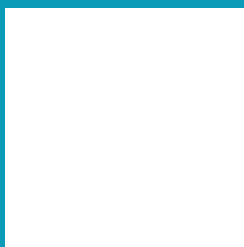
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.3812, 26.9197, 48.9216

Background



This preview shows how black text looks on a background with the XYZ color 20.3812, 26.9197, 48.9216.

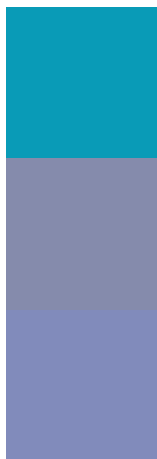


This preview shows how white text looks on a background with the XYZ color 20.3812, 26.9197,

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

20.3812, 26.9197, 48.9216

Protanopia

26.3519, 26.4303, 42.7424

Deuteranopia

27.2555, 26.7202, 50.7347



Tritanopia

19.2184, 26.9785, 41.7306

Trichromacy



Original Color

20.3812, 26.9197, 48.9216

Protanomaly

21.9864, 25.4601, 44.8298

Deuteranomaly

22.7346, 25.7273, 50.2220

Tritanomaly

19.5660, 26.8523, 44.1962

Monochromacy



Original Color

20.3812, 26.9197, 48.9216

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

15.6967, 19.3952, 27.7273

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3812, 26.9197, 48.9216 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(9, 155, 183)` looks like.

```
.text, #text, p{  
    color:rgb(9, 155, 183)  
}
```

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(9, 155, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 155, 183) }
```

Border

The CSS property to change the border of an element to XYZ 20.3812, 26.9197, 48.9216 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(9, 155, 183) }
```


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

```
.border{ border-color:rgb(9, 155, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(9, 155, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 155, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 155, 183);  
box-shadow:4px 4px 4px 4px rgb(9, 155,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3812, 26.9197, 48.9216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 155, 183) }
```

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

```
.background{ background-color: rgb(9, 155,  
183) }
```

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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