

Converting Colors

XYZ(23.2082, 39.4762, 27.8048)

Have a look what the booklet for
XYZ(23.2082, 39.4762, 27.8048)
contains.

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Color

**XYZ(23.2149, 39.4764,
27.8689)**

Conversions

Conversions Part 1

Format	Color
Hex	13C083
RGB	19, 192, 131
RGB Percent	7%, 75%, 51%
CMY	0.9255, 0.2470, 0.4863
CMYK	0.90, 0.00, 0.32, 0.25
HSL	159°, 82%, 41%
HSV	159°, 90%, 75%
XYZ	23.2149, 39.4764, 27.8689
YIQ	133.3190, -83.5270, -55.6470

Conversions

Conversions Part 2

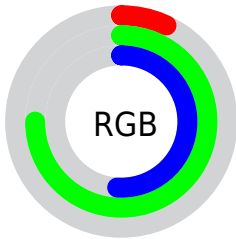
Format	Color
RYB	19, 124, 192
Decimal	1294467
CIELab	69.09, -54.24, 19.73
CIELCh	69, 57.721, 160.011
Yxy	39.4764, 0.2563, 0.4359
Android (android.graphics.Color)	4279484547 (0xFF13C083)
YUV	133.3190, -1.1433, -100.2578
Hunter-Lab	62.8302, -43.9997, 17.6826

Details

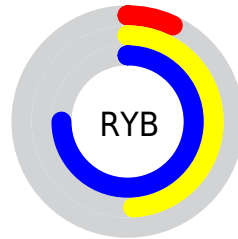
The XYZ color **23.2149, 39.4764, 27.8689** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **23.4204, 12.2523, 8.7220**, and the grayscale version is **22.4380, 23.6065, 25.7075**.

A 20% lighter version of the original color is **48.0069, 74.0368, 57.1077**, and **10.4309, 18.4854, 10.8029** is the 20% darker color. If you saturate the color by 10%, you get **22.5074, 39.1635, 25.5411**, and if you desaturate by 10%, it is **24.2284, 39.9451, 30.3917**.

Distribution



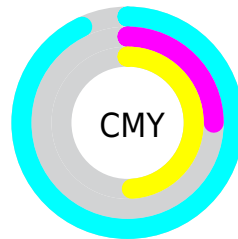
- Red (7%)
- Green (75%)
- Blue (51%)



- Red (7%)
- Yellow (49%)
- Blue (75%)



- Cyan (90%)
- Magenta (0%)
- Yellow (32%)
- Black (25%)





- Cyan (93%)
- Magenta (25%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.2149, 39.4764, 27.8689 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 23.2149, 39.4764, 27.8689 by changing the saturation by 10% instead.


 23.2149, 39.4764,
27.8689


 23.2149, 39.4764,
27.8689


261.3416,
343.9117, 305.7321


 14.8738, 27.1305,
17.9887


 48.2100, 74.3655,
57.2956


 8.8166, 17.6713,
10.7725


 65.5948, 97.6776,
77.6792


 4.6779, 10.7142,
5.8018


 86.7248, 125.4138,
102.4011

 2.0924, 5.8750,
2.6581

 111.9655,
157.9587, 131.8796

 0.6851, 2.7692,
0.9222

 141.6822,
195.6965, 166.5335

 0.0000, 1.0125,
0.0000

176.2402,

 0.0000, 0.0000,

239.0117, 206.7811

0.0000

216.0049,
288.2886, 253.0412

■ 23.2149, 39.4764,
27.8689

■ 23.2149, 39.4764,
27.8689

■ 22.5074, 39.1635,
25.5411

■ 24.2284, 39.9451,
30.3917

■ 25.6368, 40.6129,
33.0915

■ 27.4909, 41.5068,
35.9744

■ 29.8331, 42.6487,
39.0452

■ 32.7003, 44.0576,
42.3082

■ 36.1259, 45.7505,
45.7676

■ 40.1406, 47.7433,
49.4275

■ 44.7726, 50.0505,
53.2915

■ 50.0484, 52.6856,
57.3634

Harmonies

Analogous

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



27.2457, 39.4764, 14.6595



23.2149, 39.4764, 27.8689



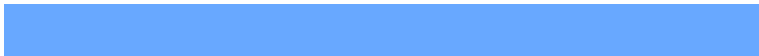
22.6407, 39.4764, 52.4189

Triad

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



23.2149, 39.4764, 27.8689



40.6855, 39.4764, 114.7968



52.7895, 39.4764, 17.9209

Complementary

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



23.2149, 39.4764, 27.8689



23.4204, 12.2523, 8.7220

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.



57.8082, 39.4764, 34.7535



23.2149, 39.4764, 27.8689



50.1011, 39.4764, 94.7235

Square

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



23.2149, 39.4764, 27.8689



31.7858, 39.4764, 110.4566



56.7510, 39.4764, 62.7618



43.9080, 39.4764, 10.7622

Rectangle

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



23.2149, 39.4764, 27.8689



24.1775, 39.4764, 73.6775



56.7510, 39.4764, 62.7618



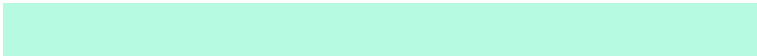
55.0452, 39.4764, 22.2746

Sweetspot

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



23.2159, 39.4780, 27.8698



67.2892, 83.8031, 84.6581



22.4861, 39.5614, 7.0675



13.9315, 17.7287, 17.6836



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



23.2159, 39.4780, 27.8698



40.6566, 70.9099, 45.6241



23.9598, 32.2971, 54.8422



10.2128, 11.3662, 12.1241



15.1826, 26.3671, 17.3862



0.6877, 1.1519, 0.9182

Inverse Universe

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



23.4204, 12.2523, 8.7220



41.1549, 21.0121, 11.1452



22.6873, 12.9152, 1.9136



10.2166, 10.1352, 11.2312



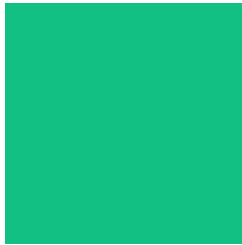
15.3573, 7.8327, 4.5275



0.6965, 0.3516, 0.3691

Previews

White Background



This preview shows how the XYZ color 23.2149, 39.4764, 27.8689 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 23.2149, 39.4764, 27.8689 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 23.2149, 39.4764, 27.8689

Background



This preview shows how black text looks on a background with the XYZ color 23.2149, 39.4764, 27.8689.



This preview shows how white text looks on a background with the XYZ color 23.2149, 39.4764,

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

23.2149, 39.4764, 27.8689

Protanopia

36.0313, 38.6968, 23.3395

Deuteranopia

39.5804, 38.7941, 29.4466



Tritanopia

29.7174, 39.5871, 59.5009

Trichromacy



Original Color

23.2149, 39.4764, 27.8689



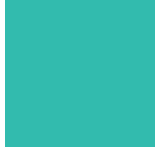
Protanomaly

27.0486, 36.5709, 24.7021



Deuteranomaly

28.3316, 36.0001, 28.3772



Tritanomaly

26.7257, 39.2748, 46.2166

Monochromacy



Original Color

23.2149, 39.4764, 27.8689



Achromatopsia

22.2940, 23.4551, 25.5426



Achromatomaly

20.1341, 27.0525, 25.9903

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2149, 39.4764, 27.8689 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(19, 192, 131)` looks like.

```
.text, #text, p{  
    color:rgb(19, 192, 131)  
}
```

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(19, 192, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 192, 131) }
```

Border

The CSS property to change the border of an element to XYZ 23.2149, 39.4764, 27.8689 is called "border". The border property can be set on classes, ids or directly on the HTML element.

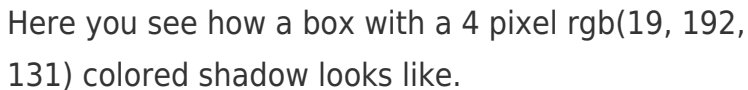
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(19, 192, 131) }
```


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

```
.border{ border-color:rgb(19, 192, 131) }
```

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



Here you see how a box with a 4 pixel `rgb(19, 192, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 192, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 192, 131);  
box-shadow:4px 4px 4px 4px rgb(19, 192,  
131) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2149, 39.4764, 27.8689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 192, 131) }
```

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

```
.background{ background-color: rgb(19, 192,  
131) }
```

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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