

Converting Colors

XYZ(13.4528, 23.6169, 10.5523)

Have a look what the booklet for
XYZ(13.4528, 23.6169, 10.5523)
contains.

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Color

**XYZ(13.4979, 23.7218,
10.5240)**

Conversions

Conversions Part 1

Format	Color
Hex	27994B
RGB	39, 153, 75
RGB Percent	15%, 60%, 29%
CMY	0.8471, 0.4000, 0.7059
CMYK	0.75, 0.00, 0.51, 0.40
HSL	139°, 59%, 38%
HSV	139°, 75%, 60%
XYZ	13.4979, 23.7218, 10.5240
YIQ	110.0220, -42.9060, -48.4260

Conversions

Conversions Part 2

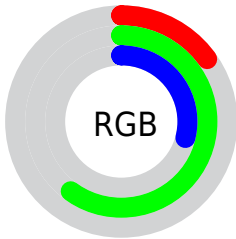
Format	Color
R _Y B	39, 126, 153
Decimal	2595147
CIE Lab	55.81, -48.65, 32.02
CIE LCh	56, 58.247, 146.649
Yxy	23.7218, 0.2827, 0.4969
Android (android.graphics.Color)	4280785227 (0xFF27994B)
YUV	110.0220, -17.2658, -62.2863
Hunter-Lab	48.7050, -35.7651, 21.2824

Details

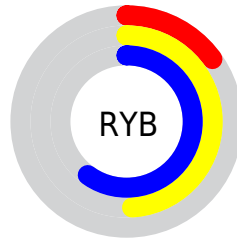
The XYZ color **13.4979, 23.7218, 10.5240** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **17.0739, 9.5080, 17.7652**, and the grayscale version is **14.8846, 15.6597, 17.0534**.

A 20% lighter version of the original color is **31.6244, 49.3591, 27.2625**, and **4.8515, 9.3865, 2.5930** is the 20% darker color. If you saturate the color by 10%, you get **12.7020, 23.3502, 8.7681**, and if you desaturate by 10%, it is **14.5877, 24.2394, 12.6025**.

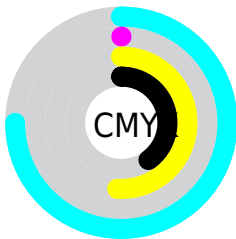
Distribution



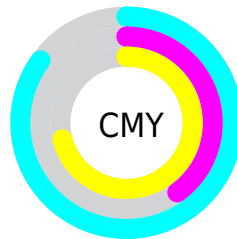
- Red (15%)
- Green (60%)
- Blue (29%)



- Red (15%)
- Yellow (49%)
- Blue (60%)



- Cyan (75%)
- Magenta (0%)
- Yellow (51%)
- Black (40%)



- Cyan (85%)
- Magenta (40%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.4979, 23.7218, 10.5240 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 13.4979, 23.7218, 10.5240 by changing the saturation by 10% instead.

■ 13.4979, 23.7218,
10.5240

■ 13.4979, 23.7218,
10.5240

207.6582,
271.4110, 204.9909

■ 7.8516, 15.1274,
5.6376

■ 31.7892, 49.5758,
27.3996

■ 4.0512, 8.9088,
2.5608

■ 45.1649, 67.6042,
40.2259

■ 1.7311, 4.6818,
0.8721

■ 61.8479, 89.5461,
56.5360

■ 0.4756, 2.0618,
0.0000

■ 82.2034, 115.7858,
76.7483

■ 0.0000, 0.6430,
0.0000

■ 106.5968,
146.7077, 101.2814

■ 0.0000, 0.0000,
0.0000

■ 135.3935,

182.6963, 130.5538

168.9589,
224.1359, 164.9842

■ 13.4979, 23.7218,
10.5240

■ 13.4979, 23.7218,
10.5240

■ 12.7020, 23.3502,
8.7681

■ 14.5877, 24.2394,
12.6025

■ 12.1642, 23.1046,
7.3166

■ 15.9973, 24.9141,
15.0174

■ 11.9318, 22.9994,
6.6413

■ 17.7518, 25.7592,
17.7835

■ 19.8731, 26.7857,
20.9142

■ 22.3814, 28.0036,
24.4222

■ 25.2950, 29.4225,
28.3197

■ 28.6315, 31.0508,
32.6183

■ 32.4072, 32.8969,
37.3289

■ 36.6375, 34.9684,
42.4623

Harmonies

Analogous

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



17.3059, 23.7218, 5.0268



13.4979, 23.7218, 10.5240



12.0773, 23.7218, 23.7561

Triad

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



13.4979, 23.7218, 10.5240



21.8109, 23.7218, 81.9900



35.9446, 23.7218, 12.6857

Complementary

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



13.4979, 23.7218, 10.5240



17.0739, 9.5080, 17.7652

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.



37.7909, 23.7218, 28.0191



13.4979, 23.7218, 10.5240



28.7516, 23.7218, 74.0326

Square

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



13.4979, 23.7218, 10.5240



16.2479, 23.7218, 69.8154



34.9387, 23.7218, 51.5016



30.2939, 23.7218, 5.7769

Rectangle

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



13.4979, 23.7218, 10.5240



12.4181, 23.7218, 37.7447



34.9387, 23.7218, 51.5016



37.0733, 23.7218, 16.7290

Sweetspot

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



13.4985, 23.7228, 10.5245



41.1030, 50.6466, 45.1262



19.3385, 26.8378, 6.0804



8.8112, 11.0545, 9.6039



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



13.4985, 23.7228, 10.5245



22.0960, 41.5170, 14.0159



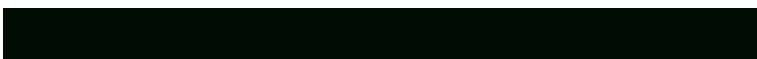
16.2713, 24.8319, 25.1258



6.2085, 6.9561, 7.0215



9.8748, 19.0134, 5.5612



0.1628, 0.2903, 0.1631

Inverse Universe

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



17.0739, 9.5080, 17.7652



28.7689, 14.6807, 27.3026



14.7270, 8.5693, 5.4066



6.3781, 6.2904, 7.3714



12.9668, 6.4410, 11.6162



0.2101, 0.1028, 0.2593

Previews

White Background



This preview shows how the XYZ color 13.4979, 23.7218, 10.5240 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 13.4979, 23.7218, 10.5240 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 13.4979, 23.7218, 10.5240

Background



This preview shows how black text looks on a background with the XYZ color 13.4979, 23.7218, 10.5240.



This preview shows how white text looks on a background with the XYZ color 13.4979, 23.7218,

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

13.4979, 23.7218, 10.5240

Protanopia

21.4635, 23.3955, 8.8534

Deuteranopia

23.8103, 23.3650, 11.2376



Tritanopia

18.4283, 23.6120, 35.0388

Trichromacy



Original Color

13.4979, 23.7218, 10.5240

Protanomaly

16.6998, 22.3992, 9.4046

Deuteranomaly

17.5516, 21.9547, 10.7098

Tritanomaly

16.0094, 23.2993, 23.7321

Monochromacy



Original Color

13.4979, 23.7218, 10.5240

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

13.2747, 17.6696, 14.0202

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4979, 23.7218, 10.5240 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(39, 153, 75)` looks like.

```
.text, #text, p{  
    color:rgb(39, 153, 75)  
}
```

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(39, 153, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 153, 75) }
```

Border

The CSS property to change the border of an element to XYZ 13.4979, 23.7218, 10.5240 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(39, 153, 75) }
```


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

```
.border{ border-color:rgb(39, 153, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 153, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 153, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 153, 75);  
box-shadow:4px 4px 4px 4px rgb(39, 153,  
75) }
```

Background

The CSS property to change the background color of an element to XYZ 13.4979, 23.7218, 10.5240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 153, 75) }
```

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

```
.background{ background-color: rgb(39, 153,  
75) }
```

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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