

Converting Colors

XYZ(13.4764, 23.7831, 7.1275)

Have a look what the booklet for
XYZ(13.4764, 23.7831, 7.1275)
contains.

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Color

**XYZ(13.4793, 23.7873,
7.1298)**

Conversions

Conversions Part 1

Format	Color
Hex	359934
RGB	53, 153, 52
RGB Percent	21%, 60%, 20%
CMY	0.7922, 0.4000, 0.7961
CMYK	0.65, 0.00, 0.66, 0.40
HSL	119°, 49%, 40%
HSV	119°, 66%, 60%
XYZ	13.4793, 23.7873, 7.1298
YIQ	111.5860, -27.1790, -52.6110

Conversions

Conversions Part 2

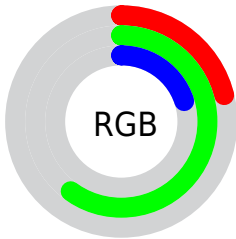
Format	Color
RYB	52, 153, 152
Decimal	3512628
CIELab	55.87, -49.06, 43.31
CIELCh	56, 65.440, 138.563
Yxy	23.7873, 0.3036, 0.5358
Android (android.graphics.Color)	4281702708 (0xFF359934)
YUV	111.5860, -29.3759, -51.3799
Hunter-Lab	48.7722, -36.0189, 25.4732

Details

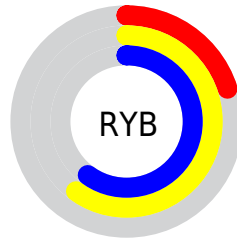
The XYZ color **13.4793, 23.7873, 7.1298** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **19.9280, 11.4322, 31.2946**, and the grayscale version is **15.3693, 16.1698, 17.6089**.

A 20% lighter version of the original color is **31.6861, 49.5358, 20.7233**, and **4.6537, 9.3074, 1.5512** is the 20% darker color. If you saturate the color by 10%, you get **12.5149, 23.3244, 5.5684**, and if you desaturate by 10%, it is **14.8083, 24.4267, 9.2924**.

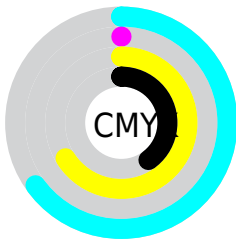
Distribution



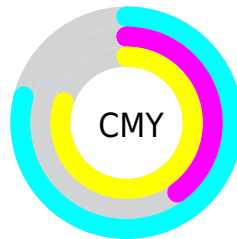
- Red (21%)
- Green (60%)
- Blue (20%)



- Red (20%)
- Yellow (60%)
- Blue (60%)



- Cyan (65%)
- Magenta (0%)
- Yellow (66%)
- Black (40%)



- Cyan (79%)
- Magenta (40%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.4793, 23.7873, 7.1298 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 13.4793, 23.7873, 7.1298 by changing the saturation by 10% instead.

■ 13.4793, 23.7873,
7.1298

■ 13.4793, 23.7873,
7.1298

207.5431,
271.7434, 178.4096

■ 7.8387, 15.1759,
3.4637

■ 31.7563, 49.6829,
20.7512

■ 4.0428, 8.9429,
1.3360

■ 45.1233, 67.7359,
31.5435

■ 1.7264, 4.7040,
0.0910

■ 61.7966, 89.7048,
45.5484

■ 0.4727, 2.0746,
0.0000

■ 82.1414, 115.9742,
63.1844

■ 0.0000, 0.6503,
0.0000

■ 106.5231,
146.9283, 84.8699

■ 0.0000, 0.0000,
0.0000

■ 135.3070,

182.9517, 111.0236

168.8586,
224.4285, 142.0640

■ 13.4793, 23.7873,
7.1298

■ 13.4793, 23.7873,
7.1298

■ 12.5149, 23.3244,
5.5684

■ 14.8083, 24.4267,
9.2924

■ 11.8774, 23.0177,
4.5461

■ 16.5315, 25.2545,
12.1069

■ 11.5197, 22.8455,
3.9777

■ 18.6773, 26.2851,
15.6207

■ 11.4106, 22.7932,
3.7981

■ 21.2711, 27.5308,
19.8761

■ 24.3361, 29.0026,
24.9121

■ 27.8943, 30.7110,
30.7651

■ 31.9659, 32.6658,
37.4692

■ 36.5701, 34.8762,
45.0564

■ 41.7254, 37.3510,
53.5571

Harmonies

Analogous

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



18.3479, 23.7873, 3.2257



13.4793, 23.7873, 7.1298



11.2730, 23.7873, 18.5860

Triad

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



13.4793, 23.7873, 7.1298



19.8854, 23.7873, 90.5260



39.0923, 23.7873, 14.9108

Complementary

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



13.4793, 23.7873, 7.1298



19.9280, 11.4322, 31.2946

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.



39.7600, 23.7873, 34.9187



13.4793, 23.7873, 7.1298



27.4837, 23.7873, 87.5201

Square

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



13.4793, 23.7873, 7.1298



14.3910, 23.7873, 70.4468



35.1407, 23.7873, 63.6516



33.4782, 23.7873, 5.7102

Rectangle

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



13.4793, 23.7873, 7.1298



11.1947, 23.7873, 32.5026



35.1407, 23.7873, 63.6516



39.9421, 23.7873, 20.2587

Sweetspot

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



13.4799, 23.7883, 7.1303



41.0689, 50.7317, 40.4832



24.8754, 29.2568, 7.5852



8.7606, 11.0542, 8.4335



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.



13.4799, 23.7883, 7.1303



21.8240, 41.4869, 9.0264



15.1482, 24.4496, 16.1865



6.1375, 6.9283, 6.6197



9.4320, 18.8383, 3.1390



0.1423, 0.2823, 0.0470

Inverse Universe

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



19.9280, 11.4322, 31.2946



34.2341, 17.6758, 55.5794



16.8737, 10.2321, 14.2321



6.4552, 6.3205, 7.8087



15.3769, 7.3781, 25.5214



0.2315, 0.1112, 0.3816

Previews

White Background



This preview shows how the XYZ color 13.4793, 23.7873, 7.1298 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 13.4793, 23.7873, 7.1298 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 13.4793, 23.7873, 7.1298

Background



This preview shows how black text looks on a background with the XYZ color 13.4793, 23.7873, 7.1298.



This preview shows how white text looks on a background with the XYZ color 13.4793, 23.7873,

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

13.4793, 23.7873, 7.1298

Protanopia

21.2950, 23.3699, 6.0778

Deuteranopia

23.7415, 23.4082, 7.6818



Tritanopia

18.9633, 23.6737, 34.5804

Trichromacy



Original Color

13.4793, 23.7873, 7.1298

Protanomaly

16.8719, 22.5553, 6.3701

Deuteranomaly

17.8801, 22.1989, 7.3454

Tritanomaly

16.2295, 23.4775, 20.8158

Monochromacy



Original Color

13.4793, 23.7873, 7.1298

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

13.7492, 18.1411, 12.4498

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4793, 23.7873, 7.1298 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(53, 153, 52)` looks like.

```
.text, #text, p{  
    color:rgb(53, 153, 52)  
}
```

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(53, 153, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 153, 52) }
```

Border

The CSS property to change the border of an element to XYZ 13.4793, 23.7873, 7.1298 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(53, 153, 52) }
```


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

```
.border{ border-color:rgb(53, 153, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 153, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 153, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 153, 52);  
box-shadow:4px 4px 4px 4px rgb(53, 153,  
52) }
```

Background

The CSS property to change the background color of an element to XYZ 13.4793, 23.7873, 7.1298 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 153, 52) }
```

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

```
.background{ background-color: rgb(53, 153,  
52) }
```

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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