

Converting Colors

XYZ(13.4685, 19.6279, 23.6008)

Have a look what the booklet for
XYZ(13.4685, 19.6279, 23.6008)
contains.

XYZ(13.3936, 19.5242, 23.4847)	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(13.3936, 19.5242,
23.4847)**

Conversions

Conversions Part 1

Format	Color
Hex	238880
RGB	35, 136, 128
RGB Percent	14%, 53%, 50%
CMY	0.8627, 0.4667, 0.4980
CMYK	0.74, 0.00, 0.06, 0.47
HSL	175°, 59%, 34%
HSV	175°, 74%, 53%
XYZ	13.3936, 19.5242, 23.4847
YIQ	104.8890, -57.6280, -23.9000

Conversions

Conversions Part 2

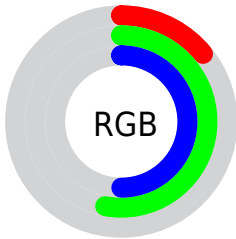
Format	Color
R_{YB}	35, 88, 136
Decimal	2328704
CIE _{Lab}	51.29, -29.87, -3.92
CIE _{LCh}	51, 30.131, 187.468
Yxy	19.5242, 0.2375, 0.3462
Android (android.graphics.Color)	4280518784 (0xFF238880)
YUV	104.8890, 11.3937, -61.2927
Hunter-Lab	44.1862, -23.2194, -0.5819

Details

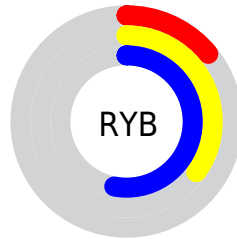
The XYZ color **13.3936, 19.5242, 23.4847** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **11.1911, 6.6113, 2.9725**, and the grayscale version is **13.3793, 14.0760, 15.3288**.

A 20% lighter version of the original color is **31.6837, 42.7045, 50.2889**, and **4.6598, 7.0615, 8.5145** is the 20% darker color. If you saturate the color by 10%, you get **12.9482, 19.3032, 23.0960**, and if you desaturate by 10%, it is **14.0199, 19.8393, 23.8867**.

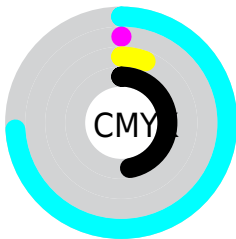
Distribution



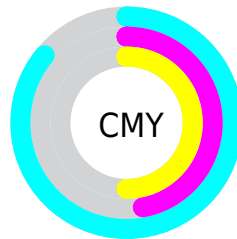
- Red (14%)
- Green (53%)
- Blue (50%)



- Red (14%)
- Yellow (35%)
- Blue (53%)



- Cyan (74%)
- Magenta (0%)
- Yellow (6%)
- Black (47%)



- Cyan (86%)
- Magenta (47%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.3936, 19.5242, 23.4847 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 13.3936, 19.5242, 23.4847 by changing the saturation by 10% instead.

■ 13.3936, 19.5242,
23.4847

■ 13.3936, 19.5242,
23.4847

207.0120,
249.3276, 283.4070

■ 7.7790, 12.0497,
14.7432

■ 31.6044, 42.6180,
50.1212

■ 4.0045, 6.7775,
8.4947

■ 44.9314, 59.0061,
68.8533

■ 1.7047, 3.3233,
4.3208

■ 61.5599, 79.1341,
91.7526

■ 0.4592, 1.3028,
1.8029

■ 81.8552, 103.3865,
119.2377

■ 0.0000, 0.1434,
0.4299

■ 106.1827,
132.1477, 151.7272

■ 0.0000, 0.0000,
0.0000

■ 134.9078,

165.8019, 189.6395

168.3958,
204.7338, 233.3933

■ 13.3936, 19.5242,
23.4847

■ 13.3936, 19.5242,
23.4847

■ 12.9482, 19.3032,
23.0960

■ 14.0199, 19.8393,
23.8867

■ 12.6582, 19.1617,
22.7181

■ 14.8438, 20.2557,
24.3014

■ 12.5207, 19.0955,
22.5043

■ 15.8822, 20.7826,
24.7301

■ 17.1496, 21.4275,
25.1735

■ 18.6593, 22.1972,
25.6323

■ 20.4236, 23.0980,
26.1069

■ 22.4538, 24.1358,
26.5980

■ 24.7607, 25.3163,
27.1060

■ 27.3545, 26.6444,
27.6315

Harmonies

Analogous

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



13.7118, 19.5242, 15.5227



13.3936, 19.5242, 23.4847



14.3353, 19.5242, 33.0089

Triad

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



13.3936, 19.5242, 23.4847



22.3020, 19.5242, 37.2989



20.8625, 19.5242, 9.3369

Complementary

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



13.3936, 19.5242, 23.4847



11.1911, 6.6113, 2.9725

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.



23.5358, 19.5242, 12.6914



13.3936, 19.5242, 23.4847



24.4275, 19.5242, 28.2574

Square

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



13.3936, 19.5242, 23.4847



19.3190, 19.5242, 42.2710



24.9018, 19.5242, 19.1777



17.8156, 19.5242, 8.7026

Rectangle

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



13.3936, 19.5242, 23.4847



15.6178, 19.5242, 38.5019



24.9018, 19.5242, 19.1777



21.8440, 19.5242, 10.1294

Sweetspot

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



13.3942, 19.5249, 23.4852



33.4032, 39.3824, 45.3170



10.1220, 18.2531, 4.5803



7.5802, 9.0411, 10.4508



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



13.3942, 19.5249, 23.4852



22.4508, 33.8370, 40.2543



9.1331, 10.1263, 24.7666



5.1560, 5.6819, 6.3427



11.8516, 18.0732, 21.3070



0.0811, 0.1210, 0.1539

Inverse Universe

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



11.1911, 6.6113, 2.9725



18.3896, 9.8051, 2.2728



13.1172, 10.6759, 2.9599



5.0479, 5.0546, 5.3408



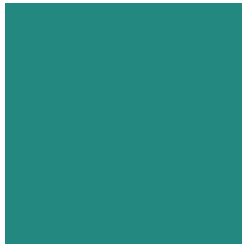
9.6674, 4.9771, 0.7529



0.0661, 0.0338, 0.0146

Previews

White Background



This preview shows how the XYZ color 13.3936, 19.5242, 23.4847 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 13.3936, 19.5242, 23.4847 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

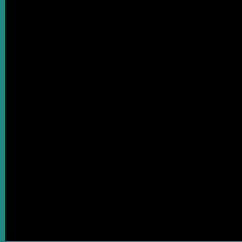
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.3936, 19.5242, 23.4847

Background



This preview shows how black text looks on a background with the XYZ color 13.3936, 19.5242, 23.4847.



This preview shows how white text looks on a background with the XYZ color 13.3936, 19.5242,

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

13.3936, 19.5242, 23.4847

Protanopia

18.4793, 19.2917, 20.2025

Deuteranopia

19.5454, 19.2120, 24.5079



Tritanopia

14.6413, 19.6217, 29.4012

Trichromacy



Original Color

13.3936, 19.5242, 23.4847

Protanomaly

15.3873, 18.6022, 21.1919

Deuteranomaly

16.0464, 18.6856, 24.2337

Tritanomaly

14.1659, 19.6343, 27.0879

Monochromacy



Original Color

13.3936, 19.5242, 23.4847

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

12.5343, 15.3885, 17.9324

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3936, 19.5242, 23.4847 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(35, 136, 128)` looks like.

```
.text, #text, p{  
    color:rgb(35, 136, 128)  
}
```

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(35, 136, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 136, 128) }
```

Border

The CSS property to change the border of an element to XYZ 13.3936, 19.5242, 23.4847 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(35, 136, 128) }
```


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

```
.border{ border-color:rgb(35, 136, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 136, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 136, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 136, 128);  
box-shadow:4px 4px 4px 4px rgb(35, 136,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 13.3936, 19.5242, 23.4847 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 136, 128) }
```

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

```
.background{ background-color: rgb(35, 136,  
128) }
```

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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