

Converting Colors

XYZ(13.5948, 23.1434, 9.6892)

Have a look what the booklet for
XYZ(13.5948, 23.1434, 9.6892)
contains.

XYZ(13.5650, 23.0519, 9.6957)	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(13.5650, 23.0519,
9.6957)**

Conversions

Conversions Part 1

Format	Color
Hex	369647
RGB	54, 150, 71
RGB Percent	21%, 59%, 28%
CMY	0.7882, 0.4118, 0.7216
CMYK	0.64, 0.00, 0.53, 0.41
HSL	131°, 47%, 40%
HSV	131°, 64%, 59%
XYZ	13.5650, 23.0519, 9.6957
YIQ	112.2900, -31.8570, -44.9210

Conversions

Conversions Part 2

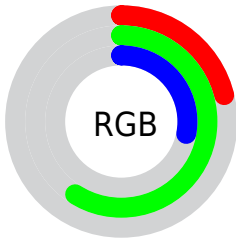
Format	Color
RYB	54, 136, 150
Decimal	3577415
CIELab	55.13, -45.28, 33.32
CIELCh	55, 56.220, 143.653
Yxy	23.0519, 0.2929, 0.4977
Android (android.graphics.Color)	4281767495 (0xFF369647)
YUV	112.2900, -20.3560, -51.1203
Hunter-Lab	48.0124, -33.5899, 21.6356

Details

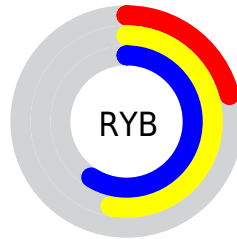
The XYZ color **13.5650, 23.0519, 9.6957** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **18.1312, 10.8162, 23.3231**, and the grayscale version is **15.5515, 16.3614, 17.8176**.

A 20% lighter version of the original color is **31.8381, 48.4226, 25.7576**, and **4.5223, 8.7972, 2.2703** is the 20% darker color. If you saturate the color by 10%, you get **12.5241, 22.5572, 7.7852**, and if you desaturate by 10%, it is **14.9359, 23.7087, 12.0428**.

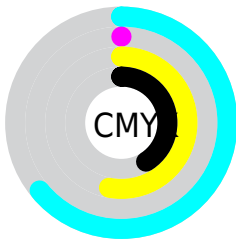
Distribution



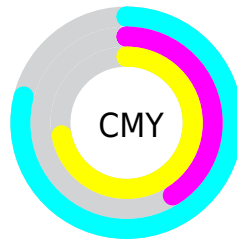
- Red (21%)
- Green (59%)
- Blue (28%)



- Red (21%)
- Yellow (53%)
- Blue (59%)



- Cyan (64%)
- Magenta (0%)
- Yellow (53%)
- Black (41%)



- Cyan (79%)
- Magenta (41%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.5650, 23.0519, 9.6957 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 13.5650, 23.0519, 9.6957 by changing the saturation by 10% instead.

■ 13.5650, 23.0519,
9.6957

■ 13.5650, 23.0519,
9.6957

208.0729,
267.9915, 198.8915

■ 7.8984, 14.6318,
5.0947

■ 31.9079, 48.4785,
25.8204

■ 4.0813, 8.5614,
2.2432

■ 45.3150, 66.2539,
38.1811

■ 1.7482, 4.4562,
0.6992

■ 62.0329, 87.9165,
53.9655

■ 0.4862, 1.9319,
0.0000

■ 82.4270, 113.8507,
73.5921

■ 0.0000, 0.5675,
0.0000

■ 106.8627,
144.4409, 97.4795

■ 0.0000, 0.0000,
0.0000

135.7054,

180.0715, 126.0461

169.3203,
221.1269, 159.7106

■ 13.5650, 23.0519,
9.6957

■ 13.5650, 23.0519,
9.6957

■ 12.5241, 22.5572,
7.7852

■ 14.9359, 23.7087,
12.0428

■ 11.7829, 22.2075,
6.2828

■ 16.6602, 24.5373,
14.8497

■ 11.3078, 21.9870,
5.1591

■ 18.7612, 25.5498,
18.1395

■ 11.0996, 21.8907,
4.6510

■ 21.2596, 26.7564,
21.9337

■ 24.1748, 28.1667,
26.2521

■ 27.5248, 29.7895,
31.1137

■ 31.3263, 31.6332,
36.5365

■ 35.5955, 33.7056,
42.5376

■ 40.3475, 36.0143,
49.1335

Harmonies

Analogous

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



17.4213, 23.0519, 4.8989



13.5650, 23.0519, 9.6957



11.9811, 23.0519, 21.4735

Triad

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



13.5650, 23.0519, 9.6957



20.6045, 23.0519, 77.4155



34.9096, 23.0519, 13.6412

Complementary

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



13.5650, 23.0519, 9.6957



18.1312, 10.8162, 23.3231

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.



36.2059, 23.0519, 29.1125



13.5650, 23.0519, 9.6957



27.1105, 23.0519, 71.8576

Square

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



13.5650, 23.0519, 9.6957



15.5146, 23.0519, 64.4346



33.1232, 23.0519, 51.6216



29.8585, 23.0519, 6.2984

Rectangle

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



13.5650, 23.0519, 9.6957



12.1604, 23.0519, 34.1615



33.1232, 23.0519, 51.6216



35.8344, 23.0519, 17.8012

Sweetspot

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



13.5656, 23.0529, 9.6962



39.8033, 48.3228, 42.1145



21.4046, 27.1485, 7.6022



8.5322, 10.5693, 8.9038



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



13.5656, 23.0529, 9.6962



21.4482, 39.4978, 12.4547



15.6983, 23.9060, 20.9272



5.7690, 6.4842, 6.3947



9.2144, 18.1586, 3.9046



0.1206, 0.2254, 0.0890

Inverse Universe

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



18.1312, 10.8162, 23.3231



30.1287, 16.0912, 38.2586



15.5772, 9.7946, 9.8740



5.9917, 5.8917, 7.0624



13.4301, 6.5771, 16.2776



0.1737, 0.0842, 0.2481

Previews

White Background



This preview shows how the XYZ color 13.5650, 23.0519, 9.6957 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 13.5650, 23.0519, 9.6957 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 13.5650, 23.0519, 9.6957

Background



This preview shows how black text looks on a background with the XYZ color 13.5650, 23.0519, 9.6957.



This preview shows how white text looks on a background with the XYZ color 13.5650, 23.0519,

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

13.5650, 23.0519, 9.6957

Protanopia

20.7475, 22.6340, 8.2763

Deuteranopia

22.9712, 22.5740, 10.1677



Tritanopia

18.3352, 22.9274, 33.5961

Trichromacy



Original Color

13.5650, 23.0519, 9.6957



Protanomaly

16.7837, 22.0270, 8.6772



Deuteranomaly

17.6803, 21.6231, 9.8984



Tritanomaly

16.0027, 22.6418, 22.2658

Monochromacy



Original Color

13.5650, 23.0519, 9.6957



Achromatopsia

15.4009, 16.2029, 17.6450



Achromatomaly

13.9329, 18.0089, 14.0510

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.5650, 23.0519, 9.6957 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(54, 150, 71)` looks like.

```
.text, #text, p{  
    color:rgb(54, 150, 71)  
}
```

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(54, 150, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 150, 71) }
```

Border

The CSS property to change the border of an element to XYZ 13.5650, 23.0519, 9.6957 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(54, 150, 71) }
```


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

```
.border{ border-color:rgb(54, 150, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(54, 150, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 150, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 150, 71);  
box-shadow:4px 4px 4px 4px rgb(54, 150,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 13.5650, 23.0519, 9.6957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 150, 71) }
```

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

```
.background{ background-color: rgb(54, 150,  
71) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor