

Converting Colors

XYZ(14.2067, 23.2480, 20.6601)

Have a look what the booklet for
XYZ(14.2067, 23.2480, 20.6601)
contains.

XYZ(14.1172, 23.0970, 20.5437)	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(14.1172, 23.0970,
20.5437)**

Conversions

Conversions Part 1

Format	Color
Hex	009675
RGB	0, 150, 117
RGB Percent	0%, 59%, 46%
CMY	0.9999, 0.4118, 0.5412
CMYK	1.00, 0.00, 0.22, 0.41
HSL	167°, 100%, 29%
HSV	167°, 100%, 59%
XYZ	14.1172, 23.0970, 20.5437
YIQ	101.3880, -78.8070, -42.0630

Conversions

Conversions Part 2

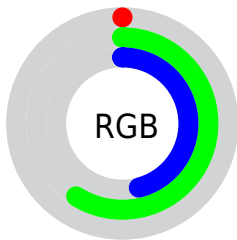
Format	Color
RYB	0, 84, 150
Decimal	38517
CIELab	55.17, -41.98, 8.00
CIELCh	55, 42.739, 169.211
Yxy	23.0970, 0.2444, 0.3999
Android (android.graphics.Color)	4278228597 (0xFF009675)
YUV	101.3880, 7.6967, -88.9173
Hunter-Lab	48.0593, -31.6703, 8.2971

Details

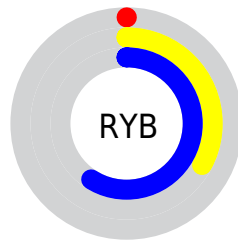
The XYZ color **14.1172, 23.0970, 20.5437** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **12.8530, 6.5944, 2.0353**, and the grayscale version is **12.4666, 13.1158, 14.2831**.

A 20% lighter version of the original color is **32.8305, 48.5056, 45.1683**, and **5.4419, 9.1650, 7.1124** is the 20% darker color. If you saturate the color by 10%, you get **14.1175, 23.0977, 20.5433**, and if you desaturate by 10%, it is **14.5124, 23.2785, 21.5937**.

Distribution



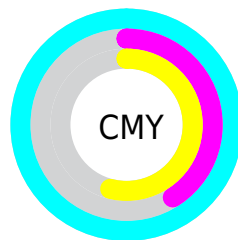
- Red (0%)
- Green (59%)
- Blue (46%)



- Red (0%)
- Yellow (33%)
- Blue (59%)



- Cyan (100%)
- Magenta (0%)
- Yellow (22%)
- Black (41%)





- Cyan (100%)
- Magenta (41%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 14.1172, 23.0970, 20.5437 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 14.1172, 23.0970, 20.5437 by changing the saturation by 10% instead.

 14.1172, 23.0970,
20.5437


 14.1172, 23.0970,
20.5437


211.4548,
268.2228, 267.5444


 8.2845, 14.6651,
12.6029


 32.8814, 48.5526,
45.1978


 4.3308, 8.5847,
7.0282


 46.5435, 66.3450,
62.7481

 1.8910, 4.4713,
3.4010

 63.5462, 88.0265,
84.3387

 0.5716, 1.9405,
1.3029

 84.2547, 113.9814,
110.3881

 0.0000, 0.5726,
0.0641

 109.0345,
144.5941, 141.3148

 0.0000, 0.0000,
0.0000

 138.2509,

180.2490, 177.5374

172.2692,
221.3304, 219.4744

■ 14.1172, 23.0970,
20.5437

■ 14.1172, 23.0970,
20.5437

■ 14.1175, 23.0977,
20.5433

■ 14.5124, 23.2785,
21.5937

■ 15.0555, 23.5348,
22.6863

■ 15.8139, 23.9014,
23.8253

■ 16.8139, 24.3917,
25.0124

■ 18.0780, 25.0173,
26.2490

■ 19.6259, 25.7883,
27.5364

■ 21.4755, 26.7141,
28.8756

■ 23.6432, 27.8030,
30.2679

■ 26.1442, 29.0629,
31.7142

Harmonies

Analogous

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



15.7132, 23.0970, 11.5922



14.1172, 23.0970, 20.5437



14.3786, 23.0970, 34.8240

Triad

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



14.1172, 23.0970, 20.5437



25.1126, 23.0970, 59.0181



28.5089, 23.0970, 10.0389

Complementary

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



14.1172, 23.0970, 20.5437



12.8530, 6.5944, 2.0353

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.



31.8070, 23.0970, 17.4553



14.1172, 23.0970, 20.5437



29.6582, 23.0970, 46.5166

Square

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



14.1172, 23.0970, 20.5437



20.2799, 23.0970, 60.7997



32.2557, 23.0970, 30.3951



23.7157, 23.0970, 7.1603

Rectangle

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



14.1172, 23.0970, 20.5437



15.5837, 23.0970, 45.6866



32.2557, 23.0970, 30.3951



29.8571, 23.0970, 11.9260

Sweetspot

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



14.1178, 23.0979, 20.5442



37.6868, 47.0369, 50.8130



11.6003, 22.1710, 3.6684



8.0657, 10.2806, 11.0600



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.



14.1178, 23.0979, 20.5442



24.8462, 40.7342, 35.8991



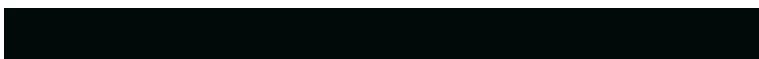
11.0819, 13.3552, 30.8489



5.9101, 6.5406, 7.1372



11.7206, 19.1610, 17.1020



0.1543, 0.2389, 0.2664

Inverse Universe

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



12.8530, 6.5944, 2.0353



22.6263, 11.6147, 3.3004



13.3373, 8.0026, 0.8421



5.8499, 5.8350, 6.3160



10.6698, 5.4730, 1.7423



0.1400, 0.0707, 0.0707

Previews

White Background



This preview shows how the XYZ color 14.1172, 23.0970, 20.5437 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 14.1172, 23.0970, 20.5437 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 14.1172, 23.0970, 20.5437

Background



This preview shows how black text looks on a background with the XYZ color 14.1172, 23.0970, 20.5437.



This preview shows how white text looks on a background with the XYZ color 14.1172, 23.0970,

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

14.1172, 23.0970, 20.5437

Protanopia

21.4705, 22.8043, 17.4574

Deuteranopia

23.3150, 22.8798, 21.5998



Tritanopia

17.2529, 23.2319, 35.0274

Trichromacy



Original Color

14.1172, 23.0970, 20.5437



Protanomaly

15.9822, 21.3994, 18.3271



Deuteranomaly

16.6702, 21.0637, 20.9564



Tritanomaly

15.8229, 23.0816, 29.2124

Monochromacy



Original Color

14.1172, 23.0970, 20.5437



Achromatopsia

12.3695, 13.0136, 14.1719



Achromatomaly

11.3650, 15.3452, 16.2728

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.1172, 23.0970, 20.5437 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(0, 150, 117)` looks like.

```
.text, #text, p{  
    color:rgb(0, 150, 117)  
}
```

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(0, 150, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 150, 117) }
```

Border

The CSS property to change the border of an element to XYZ 14.1172, 23.0970, 20.5437 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(0, 150, 117) }
```


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

```
.border{ border-color:rgb(0, 150, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 150, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 150, 117); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 150, 117); box-shadow:4px 4px 4px 4px rgb(0, 150, 117) }
```

Background

The CSS property to change the background color of an element to XYZ 14.1172, 23.0970, 20.5437 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 150, 117) }
```

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

```
.background{ background-color: rgb(0, 150,  
117) }
```

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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