

Converting Colors

XYZ(23.4342, 31.1056, 17.0977)

Have a look what the booklet for
XYZ(23.4342, 31.1056, 17.0977)
contains.

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Color

**XYZ(23.2953, 30.9178,
17.0519)**

Conversions

Conversions Part 1

Format	Color
Hex	7AA265
RGB	122, 162, 101
RGB Percent	48%, 64%, 40%
CMY	0.5216, 0.3647, 0.6039
CMYK	0.25, 0.00, 0.38, 0.36
HSL	99°, 25%, 52%
HSV	99°, 38%, 64%
XYZ	23.2953, 30.9178, 17.0519
YIQ	143.0860, -4.2590, -27.4510

Conversions

Conversions Part 2

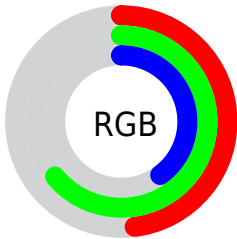
Format	Color
RYB	101, 162, 141
Decimal	8036965
CIELab	62.44, -25.19, 27.43
CIELCh	62, 37.245, 132.558
Yxy	30.9178, 0.3269, 0.4338
Android (android.graphics.Color)	4286227045 (0xFF7AA265)
YUV	143.0860, -20.7484, -18.4924
Hunter-Lab	55.6038, -22.5237, 20.7403

Details

The XYZ color **23.2953, 30.9178, 17.0519** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **22.1612, 17.5797, 36.4093**, and the grayscale version is **26.2249, 27.5906, 30.0462**.

A 20% lighter version of the original color is **48.4671, 61.1557, 39.3867**, and **8.8171, 12.7485, 5.3642** is the 20% darker color. If you saturate the color by 10%, you get **21.1558, 29.8986, 13.2090**, and if you desaturate by 10%, it is **25.7574, 32.0870, 21.7279**.

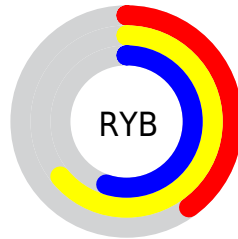
Distribution



Red (48%)

Green (64%)

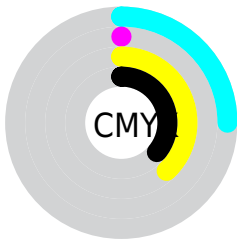
Blue (40%)



Red (40%)

Yellow (64%)

Blue (55%)

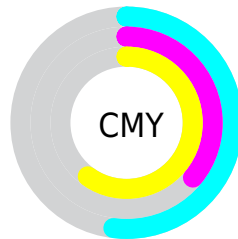


Cyan (25%)

Magenta (0%)

Yellow (38%)

Black (36%)



Cyan (52%)

Magenta (36%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.2953, 30.9178, 17.0519 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 23.2953, 30.9178, 17.0519 by changing the saturation by 10% instead.

■ 23.2953, 30.9178,
17.0519

■ 23.2953, 30.9178,
17.0519

261.7452,
306.1594, 247.5254

■ 14.9336, 20.5363,
10.1092

■ 48.3409, 61.1106,
39.2069

■ 8.8588, 12.7855,
5.3648

■ 65.7554, 81.6907,
55.2562

■ 4.7056, 7.2810,
2.4004

■ 86.9183, 106.4391,
75.1780

■ 2.1085, 3.6384,
0.7867

■ 112.1949,
135.7402, 99.3911

■ 0.6938, 1.4734,
0.0000

141.9505,
169.9784, 128.3138

■ 0.0000, 0.2699,
0.0000

176.5505,

■ 0.0000, 0.0000,

209.5381, 162.3647

0.0000

216.3603,
254.8036, 201.9624

■ 23.2953, 30.9178,
17.0519

■ 23.2953, 30.9178,
17.0519

■ 21.1558, 29.8986,
13.2090

■ 25.7574, 32.0870,
21.7279

■ 19.3220, 29.0191,
10.1484

■ 28.5531, 33.4083,
27.2800

■ 17.7788, 28.2736,
7.8167


■ 31.6961, 34.8886,
33.7505


■ 16.5091, 27.6545,
6.1529


■ 35.1982, 36.5332,
41.1784


■ 15.4930, 27.1533,
5.0864


■ 39.0708, 38.3472,
49.6005

 14.7017, 26.7575,
4.4990

 43.3249, 40.3355,
59.0517

 14.5388, 26.6759,
4.3827

 47.9708, 42.5027,
69.5650

 53.0185, 44.8532,
81.1722

 58.4777, 47.3914,
93.9035

Harmonies

Analogous

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



27.3250, 30.9178, 13.1599



23.2953, 30.9178, 17.0519



21.0609, 30.9178, 25.9966

Triad

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



23.2953, 30.9178, 17.0519



26.5705, 30.9178, 67.7813



39.9216, 30.9178, 27.9717

Complementary

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



23.2953, 30.9178, 17.0519



22.1612, 17.5797, 36.4093

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.



39.6595, 30.9178, 42.7083



23.2953, 30.9178, 17.0519



31.5490, 30.9178, 68.7642

Square

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



23.2953, 30.9178, 17.0519



22.7976, 30.9178, 56.1970



36.4563, 30.9178, 58.5887



37.1362, 30.9178, 18.1392

Rectangle

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



23.2953, 30.9178, 17.0519



20.7130, 30.9178, 34.9208



36.4563, 30.9178, 58.5887



40.1954, 30.9178, 32.4381

Sweetspot

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



23.2961, 30.9191, 17.0526



55.4376, 62.3460, 56.8976



26.7239, 27.5690, 16.2253



12.2855, 13.9247, 12.4373



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



23.2961, 30.9191, 17.0526



39.0618, 54.5903, 25.1258



21.1108, 29.7378, 19.4227



7.2048, 8.0080, 7.5461



11.4960, 21.0369, 3.4546



0.2908, 0.4674, 0.0749

Inverse Universe

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



22.1612, 17.5797, 36.4093



36.6913, 26.8884, 65.3123



25.2926, 19.2846, 32.4628



7.1265, 7.0796, 8.8940



9.8902, 4.5051, 27.2781



0.2555, 0.1192, 0.5754

Previews

White Background



This preview shows how the XYZ color 23.2953, 30.9178, 17.0519 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 23.2953, 30.9178, 17.0519 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 ✓ Pass

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

XYZ 23.2953, 30.9178, 17.0519

Background



This preview shows how black text looks on a background with the XYZ color 23.2953, 30.9178, 17.0519.



This preview shows how white text looks on a background with the XYZ color 23.2953, 30.9178,

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

23.2953, 30.9178, 17.0519

Protanopia

28.3275, 30.5497, 15.4700

Deuteranopia

31.1135, 30.5501, 17.6215



Tritanopia

27.9543, 30.7699, 40.5422

Trichromacy



Original Color

23.2953, 30.9178, 17.0519

Protanomaly

26.1546, 30.3826, 16.0412

Deuteranomaly

27.6659, 30.4018, 17.5067

Tritanomaly

25.8415, 30.6561, 30.1464

Monochromacy



Original Color

23.2953, 30.9178, 17.0519

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

24.7943, 28.5221, 24.6206

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2953, 30.9178, 17.0519 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(122, 162, 101)` looks like.

```
.text, #text, p{  
    color:rgb(122, 162, 101)  
}
```

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(122, 162, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 162, 101) }
```

Border

The CSS property to change the border of an element to XYZ 23.2953, 30.9178, 17.0519 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(122, 162, 101) }
```


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

```
.border{ border-color:rgb(122, 162, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 162, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 162, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 162, 101);  
box-shadow:4px 4px 4px 4px rgb(122, 162,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2953, 30.9178, 17.0519 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 162, 101) }
```

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

```
.background{ background-color: rgb(122,  
162, 101) }
```

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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