

Converting Colors

XYZ(30.0404, 36.4357, 23.2205)

Have a look what the booklet for
XYZ(30.0404, 36.4357, 23.2205)
contains.

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Color

**XYZ(29.9776, 36.4014,
23.2155)**

Conversions

Conversions Part 1

Format	Color
Hex	94AA78
RGB	148, 170, 120
RGB Percent	58%, 67%, 47%
CMY	0.4196, 0.3333, 0.5294
CMYK	0.13, 0.00, 0.29, 0.33
HSL	86°, 23%, 57%
HSV	86°, 29%, 67%
XYZ	29.9776, 36.4014, 23.2155
YIQ	157.7220, 2.9380, -20.2140

Conversions

Conversions Part 2

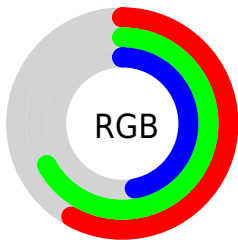
Format	Color
RYB	120, 170, 142
Decimal	9742968
CIELab	66.83, -16.66, 23.32
CIELCh	67, 28.659, 125.540
Yxy	36.4014, 0.3346, 0.4063
Android (android.graphics.Color)	4287933048 (0xFF94AA78)
YUV	157.7220, -18.5969, -8.5262
Hunter-Lab	60.3336, -16.8935, 19.4196

Details

The XYZ color **29.9776, 36.4014, 23.2155** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **25.1290, 22.0871, 40.9710**, and the grayscale version is **32.4548, 34.1450, 37.1839**.

A 20% lighter version of the original color is **59.0966, 69.5641, 49.8476**, and **12.5455, 15.9532, 8.3793** is the 20% darker color. If you saturate the color by 10%, you get **27.7266, 35.3509, 18.1944**, and if you desaturate by 10%, it is **32.5011, 37.5735, 29.2071**.

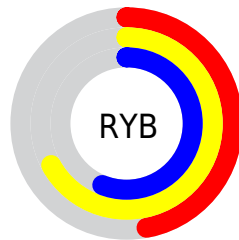
Distribution



Red (58%)

Green (67%)

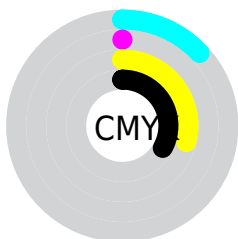
Blue (47%)



Red (47%)

Yellow (67%)

Blue (56%)

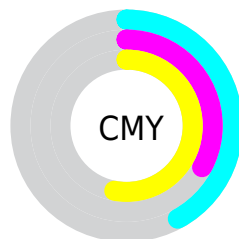


Cyan (13%)

Magenta (0%)

Yellow (29%)

Black (33%)



Cyan (42%)


Magenta (33%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.9776, 36.4014, 23.2155 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 29.9776, 36.4014, 23.2155 by changing the saturation by 10% instead.


 29.9776, 36.4014,
23.2155


 29.9776, 36.4014,
23.2155


293.7117,
330.7116, 281.9876


 19.9696, 24.7444,
14.5459

 59.0136, 69.6512,
49.6746

 12.4811, 15.8867,
8.3583


 78.7723, 92.0127,
68.3012

 7.1467, 9.4440,
4.2340


 102.5120,
118.7112, 91.0839

 3.6012, 5.0319,
1.7546

130.5979,
150.1310, 118.4412

 1.4791, 2.2660,
0.3977

163.3955,
186.6565, 150.7917

 0.3115, 0.7556,
0.0000

201.2701,

 0.0000, 0.0000,

228.6722, 188.5539

0.0000

244.5871,
276.5625, 232.1464

■ 29.9776, 36.4014,
23.2155

■ 29.9776, 36.4014,
23.2155

■ 27.7266, 35.3509,
18.1944

■ 32.5011, 37.5735,
29.2071

■ 25.7341, 34.4125,
14.0902

■ 35.3050, 38.8667,
36.2142

■ 23.9887, 33.5826,
10.8481

■ 38.4001, 40.2869,
44.2818

■ 22.4768, 32.8558,
8.4060

■ 41.7958, 41.8380,
53.4515

■ 21.1835, 32.2256,
6.6938

■ 45.5010, 43.5238,
63.7627

■ 20.0912, 31.6849,
5.6291

■ 49.5244, 45.3477,
75.2529

■ 19.1662, 31.2201,
5.0446

■ 53.8740, 47.3133,
87.9578

■ 19.1149, 31.1942,
5.0136

■ 58.3955, 49.3590,
101.0572

■ 60.5469, 50.4681,
101.1579

Harmonies

Analogous

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



33.8003, 36.4014, 20.3117



29.9776, 36.4014, 23.2155



27.5546, 36.4014, 30.5524

Triad

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



29.9776, 36.4014, 23.2155



31.2617, 36.4014, 65.5661



43.5722, 36.4014, 37.3756

Complementary

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



29.9776, 36.4014, 23.2155



25.1290, 22.0871, 40.9710

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.



42.7507, 36.4014, 50.3597



29.9776, 36.4014, 23.2155



35.4090, 36.4014, 68.4472

Square

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



29.9776, 36.4014, 23.2155



28.2515, 36.4014, 55.1869



39.6713, 36.4014, 62.3965



41.8311, 36.4014, 27.3192

Rectangle

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



29.9776, 36.4014, 23.2155



26.9384, 36.4014, 37.8079



39.6713, 36.4014, 62.3965



43.5882, 36.4014, 41.5199

Sweetspot

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



29.9785, 36.4030, 23.2163



64.1874, 70.5773, 66.0446



29.5926, 29.1504, 21.8367



14.1453, 15.6614, 14.2980



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



29.9785, 36.4030, 23.2163



51.7915, 64.8336, 36.2512



25.9822, 34.3428, 23.0293



7.8234, 8.6071, 8.0383



14.1253, 22.9791, 3.6909



0.4009, 0.5886, 0.0925

Inverse Universe

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



25.1290, 22.0871, 40.9710



41.6142, 34.7828, 73.5223



29.8396, 24.5154, 41.1914



7.4333, 7.4560, 9.4657



7.5229, 3.2616, 28.2085



0.2422, 0.1099, 0.6891

Previews

White Background



This preview shows how the XYZ color 29.9776, 36.4014, 23.2155 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 29.9776, 36.4014, 23.2155 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

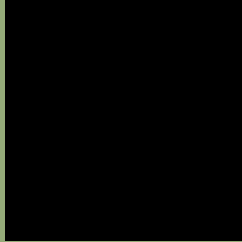
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.9776, 36.4014, 23.2155

Background



This preview shows how black text looks on a background with the XYZ color 29.9776, 36.4014, 23.2155.



This preview shows how white text looks on a background with the XYZ color 29.9776, 36.4014,

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

29.9776, 36.4014, 23.2155

Protanopia

33.8104, 36.2390, 22.0424

Deuteranopia

36.9495, 36.2834, 23.7948



Tritanopia

34.6440, 36.3969, 46.2737

Trichromacy



Original Color

29.9776, 36.4014, 23.2155

Protanomaly

32.2422, 36.2176, 22.4309

Deuteranomaly

33.9369, 36.0088, 23.5741

Tritanomaly

32.7738, 36.4450, 36.7597

Monochromacy



Original Color

29.9776, 36.4014, 23.2155

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

31.2808, 34.7243, 31.4393

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9776, 36.4014, 23.2155 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(148, 170, 120)` looks like.

```
.text, #text, p{  
    color:rgb(148, 170, 120)  
}
```

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(148, 170, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 170, 120) }
```

Border

The CSS property to change the border of an element to XYZ 29.9776, 36.4014, 23.2155 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(148, 170, 120) }
```


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

```
.border{ border-color:rgb(148, 170, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 170, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 170, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 170, 120);  
box-shadow:4px 4px 4px 4px rgb(148, 170,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9776, 36.4014, 23.2155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 170, 120) }
```

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

```
.background{ background-color: rgb(148,  
170, 120) }
```

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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