

Converting Colors

XYZ(21.3066, 23.3736, 15.4452)

Have a look what the booklet for
XYZ(21.3066, 23.3736, 15.4452)
contains.

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Color

**XYZ(21.3066, 23.3736,
15.4452)**

Conversions

Conversions Part 1

Format	Color
Hex	8A8664
RGB	138, 134, 100
RGB Percent	54%, 53%, 39%
CMY	0.4588, 0.4745, 0.6078
CMYK	0.00, 0.03, 0.28, 0.46
HSL	54°, 16%, 47%
HSV	54°, 28%, 54%
XYZ	21.3066, 23.3736, 15.4452
YIQ	131.3200, 13.2980, -9.7260

Conversions

Conversions Part 2

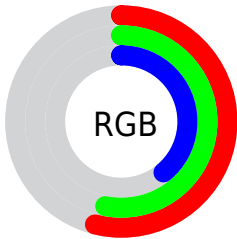
Format	Color
RYB	104, 138, 100
Decimal	9078372
CIELab	55.46, -4.26, 18.89
CIElCh	55, 19.367, 102.709
Yxy	23.3736, 0.3544, 0.3887
Android (android.graphics.Color)	4287268452 (0xFF8A8664)
YUV	131.3200, -15.4408, 5.8584
Hunter-Lab	48.3463, -5.9395, 14.9010

Details

The XYZ color **21.3066, 23.3736, 15.4452** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **14.7932, 14.4446, 26.0532**, and the grayscale version is **21.7386, 22.8707, 24.9062**.

A 20% lighter version of the original color is **45.0945, 48.9815, 36.3558**, and **7.8216, 8.7803, 4.6507** is the 20% darker color. If you saturate the color by 10%, you get **20.4955, 22.7312, 12.1540**, and if you desaturate by 10%, it is **22.2349, 24.0689, 19.3342**.

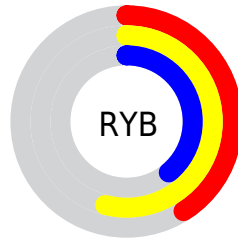
Distribution



Red (54%)

Green (53%)

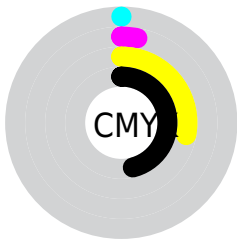
Blue (39%)



Red (41%)

Yellow (54%)

Blue (39%)

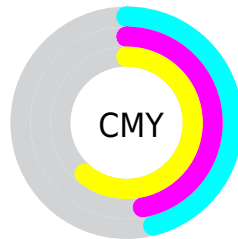


Cyan (0%)

Magenta (3%)

Yellow (28%)

Black (46%)



Cyan (46%)

Magenta (47%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.3066, 23.3736, 15.4452 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 21.3066, 23.3736, 15.4452 by changing the saturation by 10% instead.

■ 21.3066, 23.3736,
15.4452

■ 21.3066, 23.3736,
15.4452

251.6044,
269.6381, 237.7782

■ 13.4620, 14.8696,
8.9823

■ 45.0847, 49.0061,
36.3856

■ 7.8267, 8.7279,
4.6330

■ 61.7489, 66.9033,
51.7002

■ 4.0351, 4.5641,
1.9787

■ 82.0838, 88.7004,
70.8026

■ 1.7220, 1.9939,
0.5421

■ 106.4546,
114.7819, 94.1111

■ 0.4700, 0.6039,
0.0000

135.2267,
145.5319, 122.0444

■ 0.0000, 0.0000,
0.0000

168.7654,

181.3351, 155.0210

207.4363,
222.5757, 193.4594

■ 21.3066, 23.3736,
15.4452

■ 21.3066, 23.3736,
15.4452

■ 20.4955, 22.7312,
12.1540

■ 22.2349, 24.0689,
19.3342

■ 19.7940, 22.1362,
9.4292

■ 23.2837, 24.8161,
23.8476

■ 19.1965, 21.5871,
7.2386

■ 24.4588, 25.6182,
29.0119

■ 18.6962, 21.0813,
5.5463

■ 25.7648, 26.4771,
34.8518

■ 18.2853, 20.6156,
4.3119

■ 27.2062, 27.3947,
41.3906

■ 17.9551, 20.1865,
3.4887

■ 28.7872, 28.3725,
48.6507

■ 17.6880, 19.7870,
2.9847

■ 30.5117, 29.4123,
56.6533

■ 17.6247, 19.6902,
2.8717

■ 32.3838, 30.5157,
65.4187

■ 34.4072, 31.6841,
74.9666

Harmonies

Analogous

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



23.4850, 23.3736, 15.6239



21.3066, 23.3736, 15.4452



19.4928, 23.3736, 17.6099

Triad

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



21.3066, 23.3736, 15.4452



19.2765, 23.3736, 34.4898



26.4625, 23.3736, 29.1866

Complementary

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



21.3066, 23.3736, 15.4452



14.7932, 14.4446, 26.0532

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.



25.1815, 23.3736, 35.3274



21.3066, 23.3736, 15.4452



20.9934, 23.3736, 38.7161

Square

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



21.3066, 23.3736, 15.4452



18.3733, 23.3736, 28.1828



23.1507, 23.3736, 39.0456



26.5600, 23.3736, 22.8996

Rectangle

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



21.3066, 23.3736, 15.4452



18.6957, 23.3736, 20.3338



23.1507, 23.3736, 39.0456



26.1523, 23.3736, 31.3593

Sweetspot

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



21.3072, 23.3747, 15.4457



40.9175, 43.6561, 41.4961



17.5594, 15.5262, 15.2841



9.1192, 9.7509, 9.0540



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.



21.3072, 23.3747, 15.4457



36.6513, 40.4917, 23.5247



19.6194, 23.3402, 15.5280



5.3869, 5.7566, 5.3796



16.1656, 18.0655, 2.6350



0.1134, 0.1320, 0.0195

Inverse Universe

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



14.7932, 14.4446, 26.0532



23.2099, 22.0668, 45.4192



16.1583, 14.5652, 26.0046



4.8143, 4.9715, 6.3117



4.3624, 1.9950, 22.2008



0.0338, 0.0228, 0.1491

Previews

White Background



This preview shows how the XYZ color 21.3066, 23.3736, 15.4452 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 21.3066, 23.3736, 15.4452 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

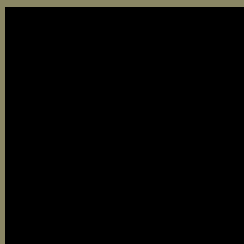
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

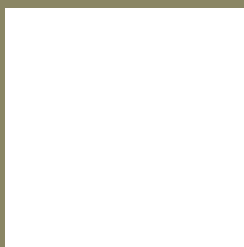
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.3066, 23.3736, 15.4452

Background



This preview shows how black text looks on a background with the XYZ color 21.3066, 23.3736, 15.4452.



This preview shows how white text looks on a background with the XYZ color 21.3066, 23.3736,

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

21.3066, 23.3736, 15.4452

Protanopia

21.7950, 23.4267, 15.1775

Deuteranopia

23.6486, 23.1862, 15.5409



Tritanopia

23.8381, 23.4042, 27.6872

Trichromacy



Original Color

21.3066, 23.3736, 15.4452

Protanomaly

21.6242, 23.3386, 15.1695

Deuteranomaly

22.7260, 23.2944, 15.6104

Tritanomaly

22.8025, 23.3760, 22.7122

Monochromacy



Original Color

21.3066, 23.3736, 15.4452

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

21.4729, 22.9269, 21.0629

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3066, 23.3736, 15.4452 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(138, 134, 100)` looks like.

```
.text, #text, p{  
    color:rgb(138, 134, 100)  
}
```

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(138, 134, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 134, 100) }
```

Border

The CSS property to change the border of an element to XYZ 21.3066, 23.3736, 15.4452 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(138, 134, 100) }
```


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

```
.border{ border-color:rgb(138, 134, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 134, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 134, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 134, 100);  
box-shadow:4px 4px 4px 4px rgb(138, 134,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3066, 23.3736, 15.4452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 134, 100) }
```

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

```
.background{ background-color: rgb(138,  
134, 100) }
```

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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