

Converting Colors

XYZ(23.7430, 32.8822, 47.4787)

Have a look what the booklet for
XYZ(23.7430, 32.8822, 47.4787)
contains.

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Color

**XYZ(23.8263, 32.9613,
47.7542)**

Conversions

Conversions Part 1

Format	Color
Hex	2EABB3
RGB	46, 171, 179
RGB Percent	18%, 67%, 70%
CMY	0.8196, 0.3294, 0.2980
CMYK	0.74, 0.04, 0.00, 0.30
HSL	184°, 59%, 44%
HSV	184°, 74%, 70%
XYZ	23.8263, 32.9613, 47.7542
YIQ	134.5370, -77.0680, -24.0120

Conversions

Conversions Part 2

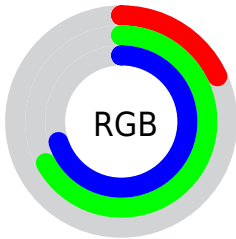
Format	Color
RYB	46, 110, 179
Decimal	3058611
CIELab	64.13, -30.12, -13.80
CIElCh	64, 33.132, 204.615
Yxy	32.9613, 0.2279, 0.3153
Android (android.graphics.Color)	4281248691 (0xFF2EABB3)
YUV	134.5370, 21.9203, -77.6469
Hunter-Lab	57.4119, -26.3923, -9.1280

Details

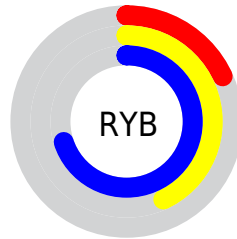
The XYZ color **23.8263, 32.9613, 47.7542** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **20.4036, 12.4203, 3.9077**, and the grayscale version is **22.8012, 23.9886, 26.1236**.

A 20% lighter version of the original color is **49.2745, 64.4470, 88.4397**, and **10.2443, 14.4632, 21.9904** is the 20% darker color. If you saturate the color by 10%, you get **22.9795, 32.2248, 47.6573**, and if you desaturate by 10%, it is **25.0129, 33.8768, 47.8690**.

Distribution



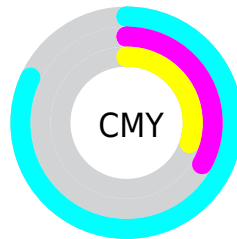
- Red (18%)
- Green (67%)
- Blue (70%)



- Red (18%)
- Yellow (43%)
- Blue (70%)



- Cyan (74%)
- Magenta (4%)
- Yellow (0%)
- Black (30%)





- Cyan (82%)
- Magenta (33%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.8263, 32.9613, 47.7542 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 23.8263, 32.9613, 47.7542 by changing the saturation by 10% instead.


 23.8263, 32.9613,
47.7542


 23.8263, 32.9613,
47.7542

264.3979,
315.4753, 394.2976


 15.3289, 22.0968,
33.2737


 49.2033, 64.3151,
88.2001


 9.1383, 13.9280,
22.0633


 66.8136, 85.5732,
115.0025


 4.8894, 8.0706,
13.7047


 88.1923, 111.0646,
146.7492

 2.2166, 4.1402,
7.7792

 113.7046,
141.1737, 183.8589

 0.7515, 1.7523,
3.8682

 143.7160,
176.2850, 226.7501

 0.0000, 0.4572,
1.5533

178.5918,

 0.0000, 0.0000,

216.7827, 275.8412

0.2572

218.6973,
263.0514, 331.5508

■ 0.0000, 0.0000,
0.0000

■ 23.8263, 32.9613,
47.7542

■ 23.8263, 32.9613,
47.7542

■ 22.9795, 32.2248,
47.6573

■ 25.0129, 33.8768,
47.8690

■ 22.4245, 31.6405,
47.5737

■ 26.5734, 34.9869,
48.0010

■ 22.1829, 31.3469,
47.5298

■ 28.5413, 36.3094,
48.1526

■ 30.9453, 37.8593,
48.3250

■ 33.8118, 39.6501,
48.5196

■ 37.1648, 41.6941,
48.7374

■ 41.0269, 44.0031,
48.9795

■ 45.4190, 46.5878,
49.2469

■ 50.3611, 49.4586,
49.5406

Harmonies

Analogous

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



23.1827, 32.9613, 33.5204



23.8263, 32.9613, 47.7542



26.3927, 32.9613, 61.3244

Triad

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



23.8263, 32.9613, 47.7542



39.2690, 32.9613, 53.0133



32.1824, 32.9613, 15.8319

Complementary

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



23.8263, 32.9613, 47.7542



20.4036, 12.4203, 3.9077

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.



36.8448, 32.9613, 18.6859



23.8263, 32.9613, 47.7542



41.1892, 32.9613, 38.3672

Square

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



23.8263, 32.9613, 47.7542



35.2361, 32.9613, 64.8531



40.2608, 32.9613, 26.1729



27.7215, 32.9613, 17.1612

Rectangle

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



23.8263, 32.9613, 47.7542



28.9972, 32.9613, 66.9845



40.2608, 32.9613, 26.1729



33.7820, 32.9613, 16.3067

Sweetspot

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



23.8273, 32.9625, 47.7550



61.6421, 71.6800, 86.9679



17.8823, 33.0756, 8.7690



13.3246, 15.6761, 19.2458



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



23.8273, 32.9625, 47.7550



40.4824, 57.0342, 85.2562



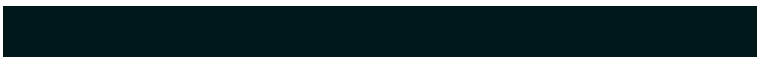
14.4031, 14.1142, 44.6136



8.6980, 9.5422, 10.8897



15.6924, 22.1853, 33.5921



0.5069, 0.7242, 1.0613

Inverse Universe

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



26.9190, 14.4790, 39.9052



46.5230, 23.0298, 69.4458



25.6993, 23.0118, 5.6730



8.8275, 8.6377, 10.5902



18.1555, 8.7797, 27.0424



0.5779, 0.2789, 0.8857

Previews

White Background



This preview shows how the XYZ color 23.8263, 32.9613, 47.7542 looks on a white background.

Color Contrast Check

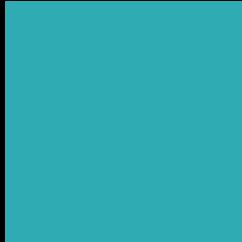
Large Text (above 18pt) WCAG AA × Fail

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 23.8263, 32.9613, 47.7542 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

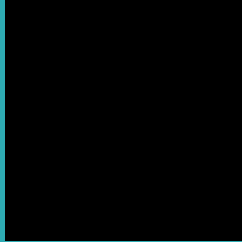
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 23.8263, 32.9613, 47.7542

Background



This preview shows how black text looks on a background with the XYZ color 23.8263, 32.9613, 47.7542.

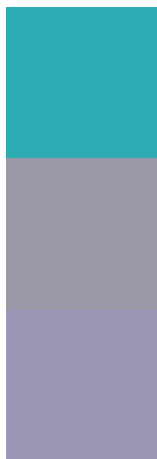


This preview shows how white text looks on a background with the XYZ color 23.8263, 32.9613,

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

23.8263, 32.9613, 47.7542

Protanopia

31.5960, 32.3819, 41.6308

Deuteranopia

33.1314, 32.5207, 49.3306



Tritanopia

24.3418, 32.8883, 50.4125

Trichromacy



Original Color

23.8263, 32.9613, 47.7542

Protanomaly

26.9566, 31.6976, 43.7272

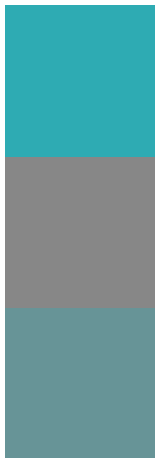
Deuteranomaly

27.7406, 31.4760, 48.8694

Tritanomaly

24.0848, 32.7798, 49.3137

Monochromacy



Original Color

23.8263, 32.9613, 47.7542

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

21.7693, 26.2977, 33.2068

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8263, 32.9613, 47.7542 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(46, 171, 179)` looks like.

```
.text, #text, p{  
    color:rgb(46, 171, 179)  
}
```

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(46, 171, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 171, 179) }
```

Border

The CSS property to change the border of an element to XYZ 23.8263, 32.9613, 47.7542 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(46, 171, 179) }
```


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

```
.border{ border-color:rgb(46, 171, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 171, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 171, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 171, 179);  
box-shadow:4px 4px 4px 4px rgb(46, 171,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8263, 32.9613, 47.7542 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 171, 179) }
```

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

```
.background{ background-color: rgb(46, 171,  
179) }
```

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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