

Converting Colors

XYZ(23.2167, 30.9097, 43.2899)

Have a look what the booklet for
XYZ(23.2167, 30.9097, 43.2899)
contains.

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Color

**XYZ(23.1519, 30.7933,
43.2515)**

Conversions

Conversions Part 1

Format	Color
Hex	46A4AB
RGB	70, 164, 171
RGB Percent	27%, 64%, 67%
CMY	0.7255, 0.3569, 0.3294
CMYK	0.59, 0.04, 0.00, 0.33
HSL	184°, 42%, 47%
HSV	184°, 59%, 67%
XYZ	23.1519, 30.7933, 43.2515
YIQ	136.6920, -58.2710, -17.7510

Conversions

Conversions Part 2

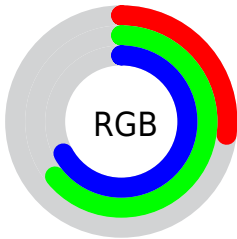
Format	Color
RYB	70, 119, 171
Decimal	4629675
CIELab	62.33, -25.38, -11.96
CIElCh	62, 28.058, 205.239
Yxy	30.7933, 0.2382, 0.3168
Android (android.graphics.Color)	4282819755 (0xFF46A4AB)
YUV	136.6920, 16.9138, -58.4889
Hunter-Lab	55.4917, -22.6379, -7.3678

Details

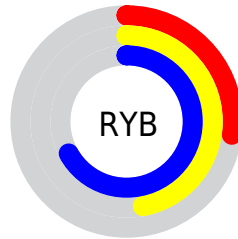
The XYZ color **23.1519, 30.7933, 43.2515** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **20.5545, 14.4084, 7.4929**, and the grayscale version is **23.6165, 24.8464, 27.0578**.

A 20% lighter version of the original color is **47.9611, 60.7432, 81.1483**, and **9.1239, 12.9203, 19.4657** is the 20% darker color. If you saturate the color by 10%, you get **21.8788, 29.8243, 43.1321**, and if you desaturate by 10%, it is **24.7800, 31.9496, 43.3894**.

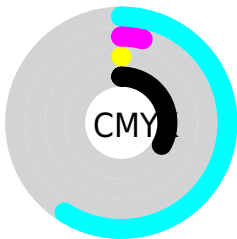
Distribution



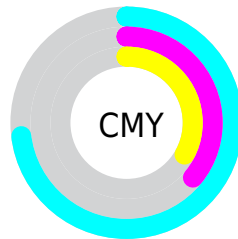
- Red (27%)
- Green (64%)
- Blue (67%)



- Red (27%)
- Yellow (47%)
- Blue (67%)



- Cyan (59%)
- Magenta (4%)
- Yellow (0%)
- Black (33%)



- Cyan (73%)
- Magenta (36%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.1519, 30.7933, 43.2515 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 23.1519, 30.7933, 43.2515 by changing the saturation by 10% instead.

■ 23.1519, 30.7933,
43.2515

■ 23.1519, 30.7933,
43.2515

261.0250,
305.5849, 375.5966

■ 14.8270, 20.4415,
29.7496

■ 48.1074, 60.9145,
81.3807

■ 8.7836, 12.7164,
19.3982

■ 65.4688, 81.4527,
106.8451

■ 4.6563, 7.2335,
11.7786

■ 86.5731, 106.1551,
137.1340

■ 2.0797, 3.6086,
6.4724

■ 111.7856,
135.4062, 172.6661

■ 0.6781, 1.4571,
3.0610

■ 141.4717,
169.5903, 213.8599

■ 0.0000, 0.2583,
1.1259

175.9967,

■ 0.0000, 0.0000,

209.0919, 261.1339

0.0000

215.7260,
254.2953, 314.9066

■ 23.1519, 30.7933,
43.2515

■ 23.1519, 30.7933,
43.2515

■ 21.8788, 29.8243,
43.1321

■ 24.7800, 31.9496,
43.3894

■ 20.9273, 29.0234,
43.0277

■ 26.7875, 33.3037,
43.5450

■ 20.2622, 28.3730,
42.9372

■ 29.1998, 34.8694,
43.7201

■ 19.8143, 27.8375,
42.8574

■ 32.0392, 36.6584,
43.9157

■ 19.7751, 27.7889,
42.8501

■ 35.3266, 38.6811,
44.1329

■ 39.0813, 40.9478,
44.3725

■ 43.3216, 43.4678,
44.6354

■ 48.0647, 46.2500,
44.9225

■ 53.3272, 49.3029,
45.2344

Harmonies

Analogous

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



22.5824, 30.7933, 31.8241



23.1519, 30.7933, 43.2515



25.3020, 30.7933, 53.7926

Triad

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



23.1519, 30.7933, 43.2515



35.6809, 30.7933, 46.9096



29.8779, 30.7933, 16.7181

Complementary

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



23.1519, 30.7933, 43.2515



20.5545, 14.4084, 7.4929

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.



33.6284, 30.7933, 19.1247



23.1519, 30.7933, 43.2515



37.1581, 30.7933, 35.2930

Square

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



23.1519, 30.7933, 43.2515



32.4908, 30.7933, 56.2045



36.3765, 30.7933, 25.3844



26.2659, 30.7933, 17.9565

Rectangle

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



23.1519, 30.7933, 43.2515



27.4482, 30.7933, 58.0666



36.3765, 30.7933, 25.3844



31.1667, 30.7933, 17.1094

Sweetspot

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



23.1528, 30.7945, 43.2522



57.7897, 65.9072, 78.6774



18.4195, 30.9606, 11.9779



12.5435, 14.4833, 17.5221



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.



23.1528, 30.7945, 43.2522



38.5793, 52.9237, 77.1838



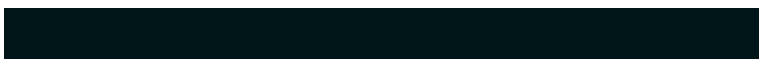
15.8683, 16.2253, 40.8240



8.1881, 8.9756, 10.2536



14.9231, 20.9800, 32.3075



0.4290, 0.6113, 0.9034

Inverse Universe

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



25.6863, 15.7194, 36.8036



43.6805, 23.9107, 63.8986



25.5203, 24.3400, 9.1481



8.3128, 8.1384, 9.9578



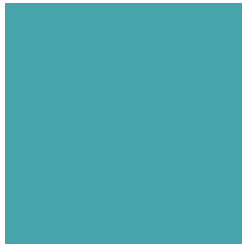
17.3961, 8.4210, 25.5291



0.4909, 0.2371, 0.7470

Previews

White Background



This preview shows how the XYZ color 23.1519, 30.7933, 43.2515 looks on a white background.

Color Contrast Check

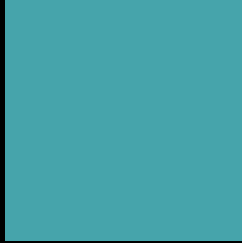
Large Text (above 18pt) WCAG AA × Fail

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 23.1519, 30.7933, 43.2515 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

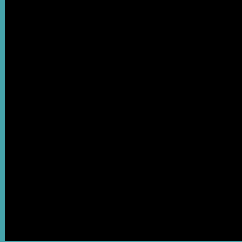
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 23.1519, 30.7933, 43.2515

Background



This preview shows how black text looks on a background with the XYZ color 23.1519, 30.7933, 43.2515.

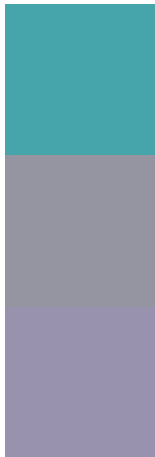


This preview shows how white text looks on a background with the XYZ color 23.1519, 30.7933,

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

23.1519, 30.7933, 43.2515

Protanopia

29.5749, 30.4577, 38.0384

Deuteranopia

30.9656, 30.3283, 44.7793



Tritanopia

23.6062, 30.7067, 45.7571

Trichromacy



Original Color

23.1519, 30.7933, 43.2515

Protanomaly

26.0929, 29.8209, 39.9781

Deuteranomaly

27.0573, 29.9760, 44.4043

Tritanomaly

23.3357, 30.5900, 44.7189

Monochromacy



Original Color

23.1519, 30.7933, 43.2515

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

22.6686, 26.5481, 32.3633

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1519, 30.7933, 43.2515 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(70, 164, 171)` looks like.

```
.text, #text, p{  
    color:rgb(70, 164, 171)  
}
```

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(70, 164, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 164, 171) }
```

Border

The CSS property to change the border of an element to XYZ 23.1519, 30.7933, 43.2515 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(70, 164, 171) }
```


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

```
.border{ border-color:rgb(70, 164, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 164, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 164, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 164, 171);  
box-shadow:4px 4px 4px 4px rgb(70, 164,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1519, 30.7933, 43.2515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 164, 171) }
```

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

```
.background{ background-color: rgb(70, 164,  
171) }
```

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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