

Converting Colors

XYZ(10.5496, 11.8957, 23.3016)

Have a look what the booklet for
XYZ(10.5496, 11.8957, 23.3016)
contains.

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Color

**XYZ(10.4953, 11.8456,
23.2060)**

Conversions

Conversions Part 1	
Format	Color
Hex	3A6583
RGB	58, 101, 131
RGB Percent	23%, 40%, 51%
CMY	0.7725, 0.6039, 0.4863
CMYK	0.56, 0.23, 0.00, 0.49
HSL	205°, 39%, 37%
HSV	205°, 56%, 51%
XYZ	10.4953, 11.8456, 23.2060
YIQ	91.5630, -35.2580, 0.2140

Conversions

Conversions Part 2

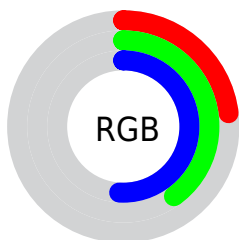
Format	Color
RYB	58, 85, 131
Decimal	3827075
CIELab	40.97, -5.68, -21.24
CIELCh	41, 21.989, 255.025
Yxy	11.8456, 0.2304, 0.2601
Android (android.graphics.Color)	4282017155 (0xFF3A6583)
YUV	91.5630, 19.4424, -29.4348
Hunter-Lab	34.4174, -5.7985, -15.8842

Details

The XYZ color **10.4953, 11.8456, 23.2060** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **13.6138, 12.1105, 5.6234**, and the grayscale version is **10.0354, 10.5580, 11.4976**.

A 20% lighter version of the original color is **26.4355, 29.2967, 49.6089**, and **2.8044, 3.2324, 8.2607** is the 20% darker color. If you saturate the color by 10%, you get **9.3228, 10.4906, 23.0065**, and if you desaturate by 10%, it is **11.8967, 13.3699, 23.4266**.

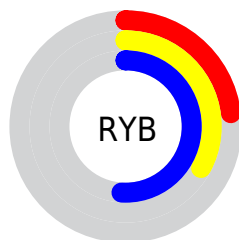
Distribution



Red (23%)

Green (40%)

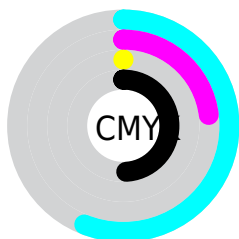
Blue (51%)



Red (23%)

Yellow (33%)

Blue (51%)

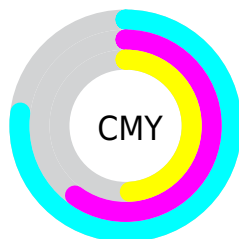


Cyan (56%)

Magenta (23%)

Yellow (0%)

Black (49%)



Cyan (77%)


Magenta (60%)


Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 10.4953, 11.8456, 23.2060 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 10.4953, 11.8456, 23.2060 by changing the saturation by 10% instead.

 10.4953, 11.8456,
23.2060


 10.4953, 11.8456,
23.2060


188.1522,
203.3804, 281.9374


 5.7933, 6.6386,
14.5390


 26.3643, 29.2136,
49.6588


 2.7593, 3.2371,
8.3535


 38.2621, 42.1434,
68.2817


 1.0278, 1.2568,
4.2309


 53.2893, 58.4163,
91.0603

 0.0000, 0.1073,
1.7529

 71.8111, 78.4166,
118.4131

 0.0000, 0.0000,
0.3966

 94.1929, 102.5288,
150.7587

 0.0000, 0.0000,
0.0000

 120.8001,

131.1372, 188.5155

151.9981,
164.6263, 232.1023

■ 10.4953, 11.8456,
23.2060

■ 10.4953, 11.8456,
23.2060

■ 9.3228, 10.4906,
23.0065

■ 11.8967, 13.3699,
23.4266

■ 8.3623, 9.2946,
22.8263

■ 13.5398, 15.0703,
23.6682

■ 7.5964, 8.2478,
22.6646

■ 15.4379, 16.9549,
23.9319

■ 6.9967, 7.3345,
22.5199

■ 17.6029, 19.0306,
24.2185

■ 6.7622, 6.9696,
22.4618

■ 20.0459, 21.3042,
24.5285

■ 22.7774, 23.7817,
24.8628

■ 25.8071, 26.4692,
25.2218

■ 29.1446, 29.3722,
25.6063

■ 32.7987, 32.4962,
26.0167

Harmonies

Analogous

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



9.2536, 11.8456, 20.0473



10.4953, 11.8456, 23.2060



12.0613, 11.8456, 23.2031

Triad

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



10.4953, 11.8456, 23.2060



14.4400, 11.8456, 10.7800



9.2519, 11.8456, 7.6931

Complementary

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



10.4953, 11.8456, 23.2060



13.6138, 12.1105, 5.6234

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.



10.4928, 11.8456, 6.2103



10.4953, 11.8456, 23.2060



13.5348, 11.8456, 7.6893

Square

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



10.4953, 11.8456, 23.2060



14.4408, 11.8456, 15.2681



12.0586, 11.8456, 6.2091



8.5825, 11.8456, 10.7866

Rectangle

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



10.4953, 11.8456, 23.2060



13.0856, 11.8456, 21.3712



12.0586, 11.8456, 6.2091



9.6107, 11.8456, 7.0253

Sweetspot

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



10.4957, 11.8460, 23.2063



30.8417, 33.4349, 43.2812



11.5900, 17.8238, 11.8896



7.0255, 7.6368, 10.0565



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



10.4957, 11.8460, 23.2063



16.1723, 18.1536, 41.1048



7.7496, 6.3537, 22.2909



4.6454, 4.9664, 5.9145



6.6590, 6.8657, 22.1110



0.0303, 0.0382, 0.0790

Inverse Universe

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



13.2224, 8.7913, 13.3124



21.8206, 12.9569, 20.3561



17.2942, 19.4713, 6.8502



4.7790, 4.7313, 5.4487



10.5393, 5.2800, 7.4120



0.0401, 0.0197, 0.0448

Previews

White Background



This preview shows how the XYZ color 10.4953, 11.8456, 23.2060 looks on a white 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

Black Background



This preview shows how the XYZ color 10.4953, 11.8456, 23.2060 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

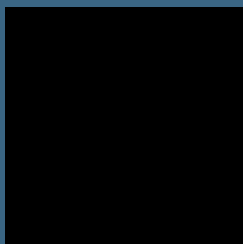
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

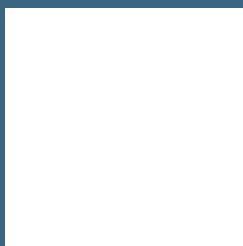
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 10.4953, 11.8456, 23.2060

Background



This preview shows how black text looks on a background with the XYZ color 10.4953, 11.8456, 23.2060.

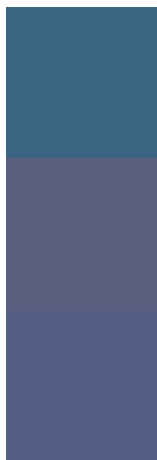


This preview shows how white text looks on a background with the XYZ color 10.4953, 11.8456,

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

10.4953, 11.8456, 23.2060

Protanopia

11.9475, 11.7914, 21.7249

Deuteranopia

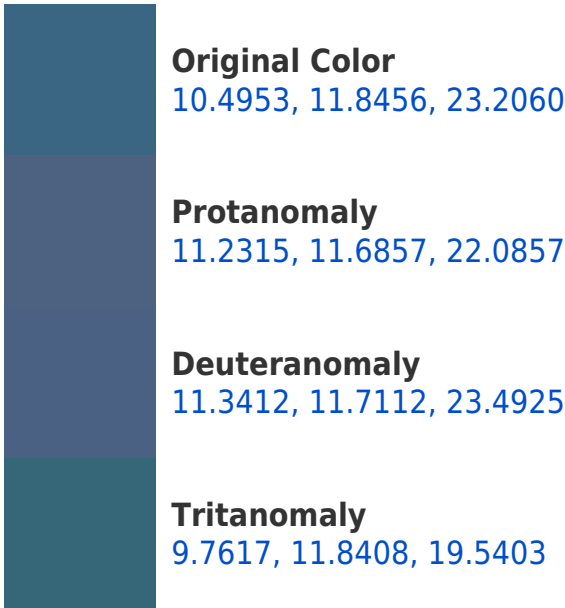
12.0034, 11.7817, 23.4712



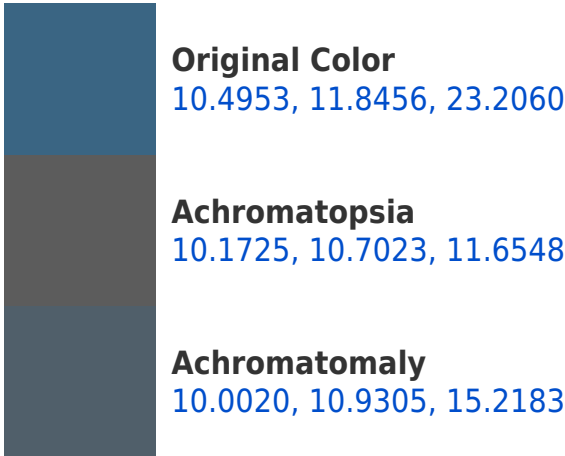
Tritanopia

9.2962, 11.7967, 17.4098

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.4953, 11.8456, 23.2060 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(58, 101, 131)` looks like.

```
.text, #text, p{  
    color:rgb(58, 101, 131)  
}
```

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(58, 101, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 101, 131) }
```

Border

The CSS property to change the border of an element to XYZ 10.4953, 11.8456, 23.2060 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(58, 101, 131) }
```


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

```
.border{ border-color:rgb(58, 101, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 101, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 101, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 101, 131);  
box-shadow:4px 4px 4px 4px rgb(58, 101,  
131) }
```

Background

The CSS property to change the background color of an element to XYZ 10.4953, 11.8456, 23.2060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 101, 131) }
```

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

```
.background{ background-color: rgb(58, 101,  
131) }
```

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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