

Converting Colors

XYZ(10.4866, 12.2196, 23.4430)

Have a look what the booklet for
XYZ(10.4866, 12.2196, 23.4430)
contains.

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Color

**XYZ(10.5152, 12.2962,
23.2919)**

Conversions

Conversions Part 1

Format	Color
Hex	356883
RGB	53, 104, 131
RGB Percent	21%, 41%, 51%
CMY	0.7921, 0.5922, 0.4863
CMYK	0.60, 0.21, 0.00, 0.49
HSL	201°, 42%, 36%
HSV	201°, 60%, 51%
XYZ	10.5152, 12.2962, 23.2919
YIQ	91.8290, -39.0630, -2.4150

Conversions

Conversions Part 2

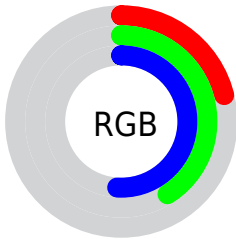
Format	Color
RYB	53, 84, 131
Decimal	3500163
CIELab	41.68, -8.61, -20.16
CIElCh	42, 21.919, 246.884
Yxy	12.2962, 0.2281, 0.2667
Android (android.graphics.Color)	4281690243 (0xFF356883)
YUV	91.8290, 19.3113, -34.0530
Hunter-Lab	35.0659, -7.8387, -14.8361

Details

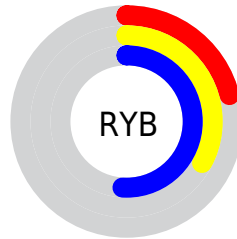
The XYZ color **10.5152, 12.2962, 23.2919** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **12.8716, 10.8200, 4.7786**, and the grayscale version is **10.0972, 10.6230, 11.5685**.

A 20% lighter version of the original color is **26.3169, 29.9676, 49.7447**, and **2.9483, 3.5203, 8.3087** is the 20% darker color. If you saturate the color by 10%, you get **9.4743, 11.1003, 23.1162**, and if you desaturate by 10%, it is **11.7698, 13.6391, 23.4852**.

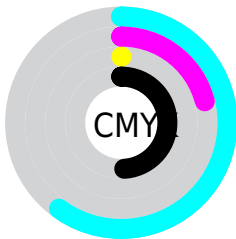
Distribution



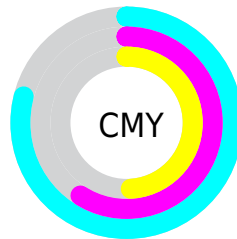
- Red (21%)
- Green (41%)
- Blue (51%)



- Red (21%)
- Yellow (33%)
- Blue (51%)



- Cyan (60%)
- Magenta (21%)
- Yellow (0%)
- Black (49%)



- Cyan (79%)
- Magenta (59%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.5152, 12.2962, 23.2919 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 10.5152, 12.2962, 23.2919 by changing the saturation by 10% instead.

■ 10.5152, 12.2962,
23.2919

■ 10.5152, 12.2962,
23.2919

■ 188.2884,
206.3565, 282.3911

■ 5.8067, 6.9457,
14.6019

■ 26.4011, 30.0334,
49.8014

■ 2.7675, 3.4282,
8.3969

■ 38.3093, 43.1890,
68.4580

■ 1.0320, 1.3592,
4.2586

■ 53.3480, 59.7151,
91.2739

■ 0.0000, 0.1863,
1.7682

■ 71.8828, 79.9960,
118.6675

■ 0.0000, 0.0000,
0.4069

■ 94.2788, 104.4162,
151.0576

■ 0.0000, 0.0000,
0.0000

■ 120.9015,

133.3601, 188.8625

152.1163,
167.2120, 232.5008

■ 10.5152, 12.2962,
23.2919

■ 10.5152, 12.2962,
23.2919

■ 9.4743, 11.1003,
23.1162

■ 11.7698, 13.6391,
23.4852

■ 8.6297, 10.0413,
22.9563

■ 13.2512, 15.1358,
23.6960

■ 7.9631, 9.1094,
22.8115

■ 14.9728, 16.7938,
23.9253

■ 7.4212, 8.2764,
22.6793

■ 16.9467, 18.6199,
24.1738

■ 7.3971, 8.2393,
22.6734

■ 19.1839, 20.6204,
24.4420

■ 21.6950, 22.8012,
24.7306

■ 24.4897, 25.1678,
25.0401

■ 27.5775, 27.7255,
25.3710

■ 30.9672, 30.4795,
25.7239

Harmonies

Analogous

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



9.3851, 12.2962, 19.4355



10.5152, 12.2962, 23.2919



12.0616, 12.2962, 24.2402

Triad

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



10.5152, 12.2962, 23.2919



15.0323, 12.2962, 12.3552



9.9284, 12.2962, 7.4828

Complementary

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



10.5152, 12.2962, 23.2919



12.8716, 10.8200, 4.7786

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.



11.3206, 12.2962, 6.3827



10.5152, 12.2962, 23.2919



14.3379, 12.2962, 8.7471

Square

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



10.5152, 12.2962, 23.2919



14.7667, 12.2962, 17.1732



12.9431, 12.2962, 6.7857



9.0686, 12.2962, 10.2052

Rectangle

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



10.5152, 12.2962, 23.2919



13.1413, 12.2962, 22.9378



12.9431, 12.2962, 6.7857



10.3444, 12.2962, 6.9433

Sweetspot

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



10.5156, 12.2966, 23.2922



30.7743, 33.7311, 43.3419



10.9961, 17.5543, 10.2063



6.9418, 7.6504, 10.0635



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.



10.5156, 12.2966, 23.2922



16.4615, 19.2651, 41.3041



7.5135, 6.2924, 22.2915



4.6695, 5.0147, 5.9226



7.2837, 8.1153, 22.3192



0.0321, 0.0418, 0.0796

Inverse Universe

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



13.1322, 8.3713, 14.0208



21.8364, 12.4650, 21.9755



16.4814, 18.0395, 5.9818



4.7912, 4.7362, 5.5129



10.8546, 5.4062, 9.0727



0.0411, 0.0201, 0.0496

Previews

White Background



This preview shows how the XYZ color 10.5152, 12.2962, 23.2919 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 10.5152, 12.2962, 23.2919 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

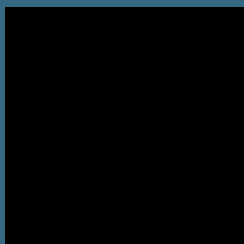
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

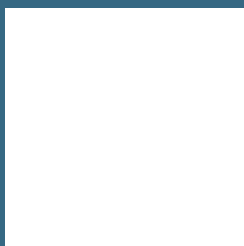
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 10.5152, 12.2962, 23.2919

Background



This preview shows how black text looks on a background with the XYZ color 10.5152, 12.2962, 23.2919.



This preview shows how white text looks on a background with the XYZ color 10.5152, 12.2962,

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

10.5152, 12.2962, 23.2919

Protanopia

12.2570, 12.2294, 21.4532

Deuteranopia

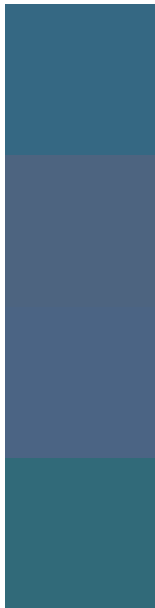
12.5328, 12.3176, 23.9073



Tritanopia

9.4789, 12.3340, 18.1008

Trichromacy



Original Color

10.5152, 12.2962, 23.2919

Protanomaly

11.5140, 12.2506, 22.1798

Deuteranomaly

11.6237, 12.2761, 23.5867

Tritanomaly

9.8718, 12.3415, 19.9510

Monochromacy



Original Color

10.5152, 12.2962, 23.2919

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

9.9263, 11.0261, 15.2407

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.5152, 12.2962, 23.2919 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(53, 104, 131)` looks like.

```
.text, #text, p{  
    color:rgb(53, 104, 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(53, 104, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 104, 131) }
```

Border

The CSS property to change the border of an element to XYZ 10.5152, 12.2962, 23.2919 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(53, 104, 131) }
```


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

```
.border{ border-color:rgb(53, 104, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 104, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 104, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 104, 131);  
box-shadow:4px 4px 4px 4px rgb(53, 104,  
131) }
```

Background

The CSS property to change the background color of an element to XYZ 10.5152, 12.2962, 23.2919 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 104, 131) }
```

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

```
.background{ background-color: rgb(53, 104,  
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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