

Converting Colors

XYZ(13.1640, 13.4926, 22.9364)

Have a look what the booklet for
XYZ(13.1640, 13.4926, 22.9364)
contains.

XYZ(13.1939, 13.5363, 23.0365)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(13.1939, 13.5363,
23.0365)**

Conversions

Conversions Part 1

Format	Color
Hex	5B6782
RGB	91, 103, 130
RGB Percent	36%, 40%, 51%
CMY	0.6431, 0.5961, 0.4902
CMYK	0.30, 0.21, 0.00, 0.49
HSL	222°, 18%, 43%
HSV	222°, 30%, 51%
XYZ	13.1939, 13.5363, 23.0365
YIQ	102.4900, -15.8190, 5.8530

Conversions

Conversions Part 2

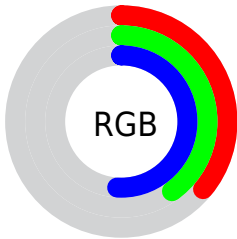
Format	Color
R_{YB}	91, 100, 130
Decimal	5990274
CIE Lab	43.56, 2.16, -16.48
CIE LCh	44, 16.625, 277.478
Yxy	13.5363, 0.2651, 0.2720
Android (android.graphics.Color)	4284180354 (0xFF5B6782)
YUV	102.4900, 13.5624, -10.0767
Hunter-Lab	36.7917, -0.3735, -11.3692

Details

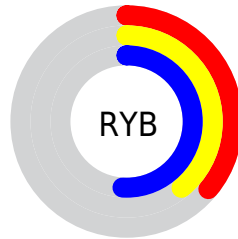
The XYZ color **13.1939, 13.5363, 23.0365** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **17.5730, 18.4584, 12.5346**, and the grayscale version is **12.7265, 13.3892, 14.5809**.

A 20% lighter version of the original color is **31.2582, 32.2809, 49.3831**, and **3.9381, 3.9579, 8.3410** is the 20% darker color. If you saturate the color by 10%, you get **11.1742, 11.2372, 22.6994**, and if you desaturate by 10%, it is **15.5329, 16.1437, 23.4167**.

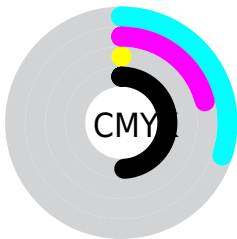
Distribution



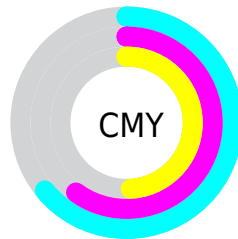
- Red (36%)
- Green (40%)
- Blue (51%)



- Red (36%)
- Yellow (39%)
- Blue (51%)



- Cyan (30%)
- Magenta (21%)
- Yellow (0%)
- Black (49%)



- Cyan (64%)
- Magenta (60%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.1939, 13.5363, 23.0365 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 13.1939, 13.5363, 23.0365 by changing the saturation by 10% instead.

■ 13.1939, 13.5363,
23.0365

■ 13.1939, 13.5363,
23.0365

205.7692,
214.3267, 281.0404

■ 7.6401, 7.7989,
14.4149

■ 31.2501, 32.2640,
49.3772

■ 3.9154, 3.9665,
8.2678

■ 44.4831, 46.0230,
67.9334

■ 1.6544, 1.6549,
4.1765

■ 61.0067, 63.2247,
90.6382

■ 0.4275, 0.3942,
1.7227

■ 81.1861, 84.2534,
117.9102

■ 0.0000, 0.0000,
0.3762

105.3867,
109.4936, 150.1678

■ 0.0000, 0.0000,
0.0000

133.9739,

139.3296, 187.8297

167.3129,
174.1458, 231.3144

■ 13.1939, 13.5363,
23.0365

■ 13.1939, 13.5363,
23.0365

■ 11.1742, 11.2372,
22.6994

■ 15.5329, 16.1437,
23.4167

■ 9.4581, 9.2329,
22.4030

■ 18.2033, 19.0690,
23.8406

■ 8.0301, 7.5110,
22.1459

■ 21.2185, 22.3235,
24.3099

■ 6.8733, 6.0576,
21.9263

■ 24.5903, 25.9174,
24.8259

■ 5.9685, 4.8576,
21.7424

■ 28.3303, 29.8603,
25.3898

■ 5.2937, 3.8941,
21.5920

■ 32.4493, 34.1616,
26.0029

■ 4.7882, 3.1294,
21.4710

■ 36.9579, 38.8303,
26.6665

■ 4.7881, 3.1294,
21.4710

■ 41.8660, 43.8749,
27.3815

■ 47.1834, 49.3038,
28.1491

Harmonies

Analogous

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



11.9320, 13.5363, 22.3894



13.1939, 13.5363, 23.0365



14.4474, 13.5363, 21.1807

Triad

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



13.1939, 13.5363, 23.0365



14.9531, 13.5363, 10.7981



10.6923, 13.5363, 12.1633

Complementary

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



13.1939, 13.5363, 23.0365



17.5730, 18.4584, 12.5346

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.



11.4041, 13.5363, 9.7565



13.1939, 13.5363, 23.0365



13.8472, 13.5363, 9.0659

Square

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



13.1939, 13.5363, 23.0365



15.5066, 13.5363, 13.8266



12.5433, 13.5363, 8.7195



10.5433, 13.5363, 15.6901

Rectangle

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



13.1939, 13.5363, 23.0365



15.0906, 13.5363, 18.9319



12.5433, 13.5363, 8.7195



10.8713, 13.5363, 11.2155

Sweetspot

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



13.1943, 13.5368, 23.0368



32.4567, 34.0157, 42.0475



15.5466, 19.4894, 19.9735



7.2055, 7.5462, 9.4951



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



13.1943, 13.5368, 23.0368



20.7515, 21.0210, 40.1562



12.8240, 11.6994, 22.7017



4.2084, 4.4109, 5.4428



4.5966, 3.0116, 20.5890



0.0000, 0.0000, 0.0000

Inverse Universe

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



15.3956, 13.2077, 14.5704



25.3335, 20.5378, 22.4878



18.0182, 20.9208, 12.9865



4.3780, 4.3644, 4.7952



9.1971, 4.6985, 2.3618



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.1939, 13.5363, 23.0365 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 13.1939, 13.5363, 23.0365 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

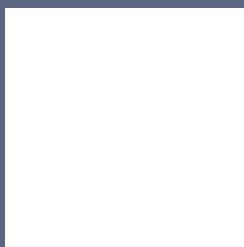
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.1939, 13.5363, 23.0365

Background



This preview shows how black text looks on a background with the XYZ color 13.1939, 13.5363, 23.0365.

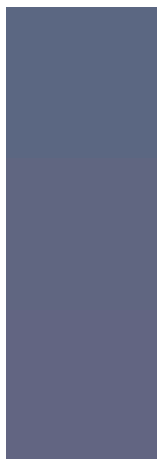


This preview shows how white text looks on a background with the XYZ color 13.1939, 13.5363,

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

13.1939, 13.5363, 23.0365

Protanopia

13.5377, 13.5745, 22.6755

Deuteranopia

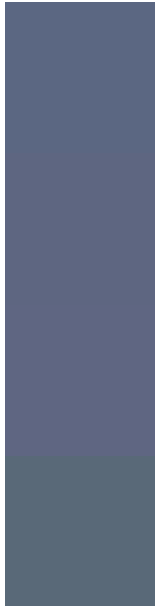
13.7199, 13.5157, 23.0048



Tritanopia

12.2158, 13.5977, 17.9004

Trichromacy



Original Color

13.1939, 13.5363, 23.0365

Protanomaly

13.3299, 13.4674, 22.6658

Deuteranomaly

13.5000, 13.5473, 23.0225

Tritanomaly

12.5616, 13.5831, 19.7290

Monochromacy



Original Color

13.1939, 13.5363, 23.0365

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.7130, 13.2693, 17.2204

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1939, 13.5363, 23.0365 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(91, 103, 130) looks like.

```
.text, #text, p{  
    color:rgb(91, 103, 130)  
}
```

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(91, 103, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 103, 130) }
```

Border

The CSS property to change the border of an element to XYZ 13.1939, 13.5363, 23.0365 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(91, 103, 130) }
```


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

```
.border{ border-color:rgb(91, 103, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 103, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 103, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 103, 130);  
box-shadow:4px 4px 4px 4px rgb(91, 103,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 13.1939, 13.5363, 23.0365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 103, 130) }
```

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

```
.background{ background-color: rgb(91, 103,  
130) }
```

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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