

Converting Colors

XYZ(16.2380, 15.6452, 36.9084)

Have a look what the booklet for
XYZ(16.2380, 15.6452, 36.9084)
contains.

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Color

**XYZ(16.2959, 15.7553,
36.8325)**

Conversions

Conversions Part 1

Format	Color
Hex	5A6DA3
RGB	90, 109, 163
RGB Percent	35%, 43%, 64%
CMY	0.6470, 0.5725, 0.3608
CMYK	0.45, 0.33, 0.00, 0.36
HSL	224°, 29%, 50%
HSV	224°, 45%, 64%
XYZ	16.2959, 15.7553, 36.8325
YIQ	109.4750, -28.6580, 12.7660

Conversions

Conversions Part 2

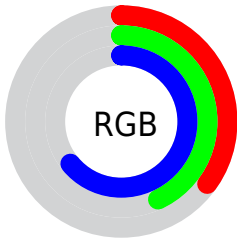
Format	Color
R_{YB}	90, 105, 163
Decimal	5926307
CIE _{Lab}	46.65, 7.72, -31.33
CIE _{LCh}	47, 32.270, 283.837
Yxy	15.7553, 0.2366, 0.2287
Android (android.graphics.Color)	4284116387 (0xFF5A6DA3)
YUV	109.4750, 26.3878, -17.0796
Hunter-Lab	39.6929, 3.8203, -27.2322

Details

The XYZ color **16.2959, 15.7553, 36.8325** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **26.9234, 28.4716, 13.7500**, and the grayscale version is **14.6044, 15.3649, 16.7324**.

A 20% lighter version of the original color is **36.5534, 36.0432, 71.3601**, and **5.3548, 4.9863, 15.7191** is the 20% darker color. If you saturate the color by 10%, you get **13.6817, 12.6276, 36.3669**, and if you desaturate by 10%, it is **19.4354, 19.4164, 37.3740**.

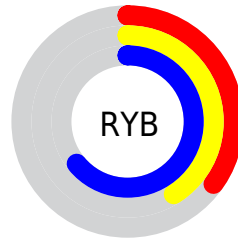
Distribution



Red (35%)

Green (43%)

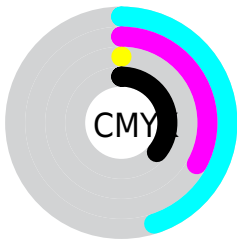
Blue (64%)



Red (35%)

Yellow (41%)

Blue (64%)

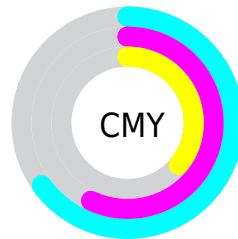


Cyan (45%)

Magenta (33%)

Yellow (0%)

Black (36%)



Cyan (65%)

Magenta (57%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.2959, 15.7553, 36.8325 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 16.2959, 15.7553, 36.8325 by changing the saturation by 10% instead.

■ 16.2959, 15.7553,
36.8325

■ 16.2959, 15.7553,
36.8325

224.3177,
227.8934, 347.7316

■ 9.8260, 9.3512,
24.7831

■ 36.6645, 36.1729,
71.4985

■ 5.3451, 4.9709,
15.6980

■ 51.2938, 50.9551,
94.9522

■ 2.4880, 2.2302,
9.1586

■ 69.3736, 69.2988,
123.0444

■ 0.8892, 0.7364,
4.7466

■ 91.2693, 91.5884,
156.1936

■ 0.0000, 0.0000,
2.0432

117.3462,
118.2083, 194.8184

■ 0.0000, 0.0000,
0.5817

147.9696,

■ 0.0000, 0.0000,

149.5428, 239.3373

0.0000

183.5050,
185.9764, 290.1688

■ 16.2959, 15.7553,
36.8325

■ 16.2959, 15.7553,
36.8325

■ 13.6817, 12.6276,
36.3669

■ 19.4354, 19.4164,
37.3740

■ 11.5609, 10.0053,
35.9725

■ 23.1261, 23.6332,
37.9934

■ 9.9008, 7.8606,
35.6460

■ 27.3943, 28.4292,
38.6942

■ 8.6635, 6.1617,
35.3833

■ 32.2637, 33.8256,
39.4791

■ 7.8037, 4.8720,
35.1797

■ 37.7572, 39.8428,
40.3510

■ 7.4540, 4.3306,
35.0936

■ 43.8960, 46.4999,
41.3124

■ 50.7006, 53.8155,
42.3658

■ 58.1904, 61.8072,
43.5136

■ 66.3840, 70.4921,
44.7581

Harmonies

Analogous

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



13.5297, 15.7553, 36.5643



16.2959, 15.7553, 36.8325



19.0094, 15.7553, 30.8062

Triad

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



16.2959, 15.7553, 36.8325



19.1906, 15.7553, 8.5575



10.3879, 15.7553, 13.2210

Complementary

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



16.2959, 15.7553, 36.8325



26.9234, 28.4716, 13.7500

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.



11.5560, 15.7553, 8.2830



16.2959, 15.7553, 36.8325



16.5196, 15.7553, 6.2197

Square

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



16.2959, 15.7553, 36.8325



20.8158, 15.7553, 13.7343



13.7274, 15.7553, 6.1380



10.3437, 15.7553, 21.1009

Rectangle

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



16.2959, 15.7553, 36.8325



20.3286, 15.7553, 24.8661



13.7274, 15.7553, 6.1380



10.6549, 15.7553, 11.2295

Sweetspot

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



16.2965, 15.7559, 36.8329



50.3348, 52.3341, 69.5047



22.3125, 30.3678, 30.8850



10.9126, 11.3165, 15.5467



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



16.2965, 15.7559, 36.8329



24.4107, 22.5031, 65.1131



16.3349, 13.0851, 36.3153



6.8434, 7.1458, 8.9217



5.8256, 3.4306, 27.2849



0.1584, 0.1440, 0.5853

Inverse Universe

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



21.5212, 16.2035, 16.4619



35.1962, 24.0960, 22.9109



26.7912, 33.0409, 14.6389



7.1459, 7.1148, 7.7549



12.0860, 6.1904, 2.3773



0.2721, 0.1373, 0.1456

Previews

White Background



This preview shows how the XYZ color 16.2959, 15.7553, 36.8325 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 16.2959, 15.7553, 36.8325 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

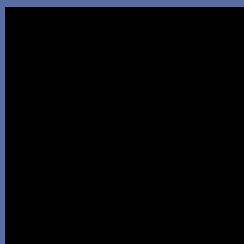
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

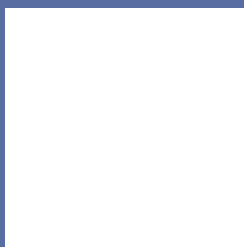
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.2959, 15.7553, 36.8325

Background



This preview shows how black text looks on a background with the XYZ color 16.2959, 15.7553, 36.8325.



This preview shows how white text looks on a background with the XYZ color 16.2959, 15.7553,

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

16.2959, 15.7553, 36.8325

Protanopia

16.4931, 15.8569, 36.8417

Deuteranopia

16.2113, 15.8709, 36.8593



Tritanopia

13.3196, 15.7026, 22.0676

Trichromacy



Original Color

16.2959, 15.7553, 36.8325

Protanomaly

16.3939, 15.8058, 36.8371

Deuteranomaly

16.3066, 15.9201, 36.8638

Tritanomaly

14.2215, 15.5592, 26.6798

Monochromacy



Original Color

16.2959, 15.7553, 36.8325

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

14.9106, 15.3470, 22.9453

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.2959, 15.7553, 36.8325 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(90, 109, 163)` looks like.

```
.text, #text, p{  
    color:rgb(90, 109, 163)  
}
```

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(90, 109, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 109, 163) }
```

Border

The CSS property to change the border of an element to XYZ 16.2959, 15.7553, 36.8325 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(90, 109, 163) }
```


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

```
.border{ border-color:rgb(90, 109, 163) }
```

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

Here you see how a box with a 4 pixel rgb(90, 109, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 109, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 109, 163);  
box-shadow:4px 4px 4px 4px rgb(90, 109,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 16.2959, 15.7553, 36.8325 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 109, 163) }
```

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

```
.background{ background-color: rgb(90, 109,  
163) }
```

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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