

Converting Colors

XYZ(15.8191, 17.9605, 41.1616)

Have a look what the booklet for
XYZ(15.8191, 17.9605, 41.1616)
contains.

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Color

**XYZ(15.8737, 18.0337,
41.1723)**

Conversions

Conversions Part 1

Format	Color
Hex	327CAB
RGB	50, 124, 171
RGB Percent	20%, 49%, 67%
CMY	0.8039, 0.5137, 0.3294
CMYK	0.71, 0.27, 0.00, 0.33
HSL	203°, 55%, 43%
HSV	203°, 71%, 67%
XYZ	15.8737, 18.0337, 41.1723
YIQ	107.2320, -59.1910, -1.0710

Conversions

Conversions Part 2

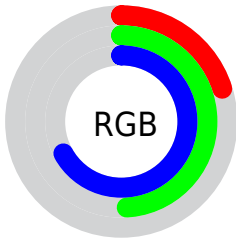
Format	Color
RYB	50, 96, 171
Decimal	3308715
CIELab	49.54, -7.14, -31.63
CIELCh	50, 32.426, 257.283
Yxy	18.0337, 0.2114, 0.2402
Android (android.graphics.Color)	4281498795 (0xFF327CAB)
YUV	107.2320, 31.4376, -50.1925
Hunter-Lab	42.4661, -7.5929, -27.7574

Details

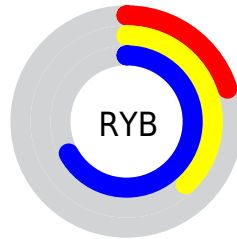
The XYZ color **15.8737, 18.0337, 41.1723** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **21.6458, 17.4388, 5.2435**, and the grayscale version is **13.9675, 14.6949, 16.0027**.

A 20% lighter version of the original color is **35.9460, 39.9762, 78.4947**, and **5.7861, 6.3402, 18.0584** is the 20% darker color. If you saturate the color by 10%, you get **14.3782, 16.0686, 40.8722**, and if you desaturate by 10%, it is **17.7414, 20.2745, 41.5068**.

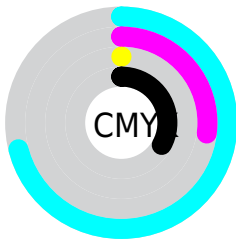
Distribution



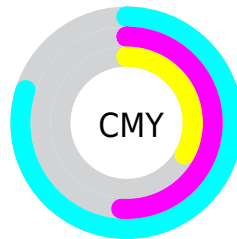
- Red (20%)
- Green (49%)
- Blue (67%)



- Red (20%)
- Yellow (38%)
- Blue (67%)



- Cyan (71%)
- Magenta (27%)
- Yellow (0%)
- Black (33%)



- Cyan (80%)
- Magenta (51%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8737, 18.0337, 41.1723 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 15.8737, 18.0337, 41.1723 by changing the saturation by 10% instead.

■ 15.8737, 18.0337,
41.1723

■ 15.8737, 18.0337,
41.1723

221.8804,
241.0609, 366.7382

■ 9.5251, 10.9742,
28.1330

■ 35.9380, 40.0947,
78.2019

■ 5.1451, 6.0495,
18.1860

■ 50.3845, 55.8651,
103.0293

■ 2.3683, 2.8752,
10.9128

■ 68.2609, 75.3078,
132.6231

■ 0.8293, 1.0669,
5.8948

■ 89.9327, 98.8072,
167.4020

■ 0.0000, 0.0000,
2.7135

■ 115.7651,
126.7479, 207.7844

■ 0.0000, 0.0000,
0.9502

146.1237,

■ 0.0000, 0.0000,

159.5142, 254.1888

0.0000

181.3736,
197.4904, 307.0339

■ 15.8737, 18.0337,
41.1723

■ 15.8737, 18.0337,
41.1723

■ 14.3782, 16.0686,
40.8722

■ 17.7414, 20.2745,
41.5068

■ 13.2148, 14.3560,
40.6029

■ 20.0119, 22.8076,
41.8760

■ 12.3594, 12.9575,
40.3781

■ 22.7145, 25.6497,
42.2822

■ 25.8751, 28.8158,
42.7267

■ 29.5173, 32.3196,
43.2110

■ 33.6633, 36.1738,
43.7364

■ 38.3334, 40.3904,
44.3042

■ 43.5471, 44.9807,
44.9154

■ 49.3226, 49.9555,
45.5712

Harmonies

Analogous

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



13.4400, 18.0337, 34.8584



15.8737, 18.0337, 41.1723



18.9546, 18.0337, 40.6038

Triad

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



15.8737, 18.0337, 41.1723



23.4169, 18.0337, 15.0294



13.1592, 18.0337, 10.2556

Complementary

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



15.8737, 18.0337, 41.1723



21.6458, 17.4388, 5.2435

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.



15.4460, 18.0337, 7.5133



15.8737, 18.0337, 41.1723



21.4646, 18.0337, 9.6502

Square

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



15.8737, 18.0337, 41.1723



23.5671, 18.0337, 23.5969



18.4729, 18.0337, 7.3311



12.0033, 18.0337, 16.1445

Rectangle

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



15.8737, 18.0337, 41.1723



20.9704, 18.0337, 36.3906



18.4729, 18.0337, 7.3311



13.8078, 18.0337, 9.0228

Sweetspot

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



15.8743, 18.0343, 41.1728



52.4369, 57.4786, 77.3326



18.0080, 30.6561, 16.1282



11.2887, 12.4326, 17.1924



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.



15.8743, 18.0343, 41.1728



24.4852, 26.9626, 72.9157



10.5068, 7.2992, 39.3836



7.9711, 8.5417, 10.1813



9.3693, 9.8724, 30.4563



0.3117, 0.3767, 0.8643

Inverse Universe

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



21.5738, 12.3951, 20.3248



36.0229, 18.7663, 29.9906



29.4081, 32.9633, 7.8310



8.2032, 8.0945, 9.3811



14.5928, 7.2997, 10.7672



0.4317, 0.2134, 0.4352

Previews

White Background



This preview shows how the XYZ color 15.8737, 18.0337, 41.1723 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 15.8737, 18.0337, 41.1723 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

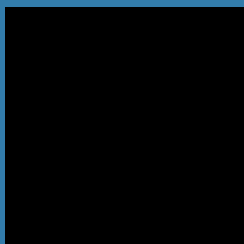
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

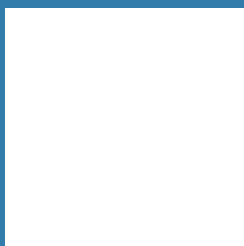
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.8737, 18.0337, 41.1723

Background



This preview shows how black text looks on a background with the XYZ color 15.8737, 18.0337, 41.1723.

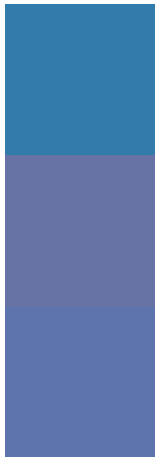


This preview shows how white text looks on a background with the XYZ color 15.8737, 18.0337,

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

15.8737, 18.0337, 41.1723

Protanopia

18.3111, 17.7666, 37.5862

Deuteranopia

18.3024, 17.8351, 42.0130



Tritanopia

13.1423, 18.0783, 27.6077

Trichromacy



Original Color

15.8737, 18.0337, 41.1723

Protanomaly

17.0208, 17.5859, 39.0565

Deuteranomaly

17.1038, 17.7500, 41.5543

Tritanomaly

13.9982, 18.0300, 32.0205

Monochromacy



Original Color

15.8737, 18.0337, 41.1723

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.7721, 15.4004, 23.3658

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8737, 18.0337, 41.1723 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(50, 124, 171)` looks like.

```
.text, #text, p{  
    color:rgb(50, 124, 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(50, 124, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 124, 171) }
```

Border

The CSS property to change the border of an element to XYZ 15.8737, 18.0337, 41.1723 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(50, 124, 171) }
```


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

```
.border{ border-color:rgb(50, 124, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 124, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 124, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 124, 171);  
box-shadow:4px 4px 4px 4px rgb(50, 124,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8737, 18.0337, 41.1723 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 124, 171) }
```

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

```
.background{ background-color: rgb(50, 124,  
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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