

Converting Colors

XYZ(19.3040, 15.0850, 74.5322)

Have a look what the booklet for
XYZ(19.3040, 15.0850, 74.5322)
contains.

XYZ(19.3368, 15.1318, 74.5746)	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(19.3368, 15.1318,
74.5746)**

Conversions

Conversions Part 1

Format	Color
Hex	2964E3
RGB	41, 100, 227
RGB Percent	16%, 39%, 89%
CMY	0.8391, 0.6078, 0.1098
CMYK	0.82, 0.56, 0.00, 0.11
HSL	221°, 77%, 53%
HSV	221°, 82%, 89%
XYZ	19.3368, 15.1318, 74.5746
YIQ	96.8370, -75.9310, 26.9890

Conversions

Conversions Part 2

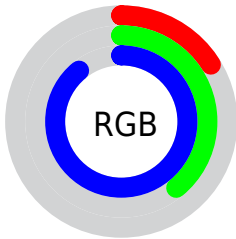
Format	Color
R _Y B	41, 86, 227
Decimal	2712803
CIE Lab	45.81, 27.63, -69.72
CIE LCh	46, 74.994, 291.619
Yxy	15.1318, 0.1773, 0.1388
Android (android.graphics.Color)	4280902883 (0xFF2964E3)
YUV	96.8370, 64.1704, -48.9690
Hunter-Lab	38.8996, 20.6571, -86.4354

Details

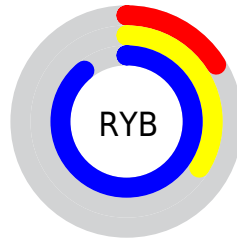
The XYZ color **19.3368, 15.1318, 74.5746** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed azure. A complement of this color would be **46.0858, 44.5043, 8.2609**, and the grayscale version is **11.1851, 11.7676, 12.8149**.

A 20% lighter version of the original color is **36.4276, 32.8842, 99.0351**, and **8.6219, 5.6347, 38.6634** is the 20% darker color. If you saturate the color by 10%, you get **17.3298, 12.0961, 74.0948**, and if you desaturate by 10%, it is **22.1494, 19.0027, 75.1739**.

Distribution



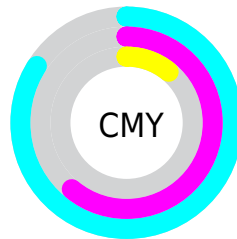
- Red (16%)
- Green (39%)
- Blue (89%)



- Red (16%)
- Yellow (34%)
- Blue (89%)



- Cyan (82%)
- Magenta (56%)
- Yellow (0%)
- Black (11%)



- Cyan (84%)
- Magenta (61%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.3368, 15.1318, 74.5746 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 19.3368, 15.1318, 74.5746 by changing the saturation by 10% instead.

■ 19.3368, 15.1318,
74.5746

■ 19.3368, 15.1318,
74.5746

241.2044,
224.1626, 495.6705

■ 12.0193, 8.9119,
54.7648

■ 41.8149, 35.0842,
127.4516

■ 6.8291, 4.6838,
38.8161

■ 57.7063, 49.5856,
161.3558

■ 3.4009, 2.0629,
26.3100

■ 77.1864, 67.6162,
200.7953

■ 1.3691, 0.6437,
16.8278

■ 100.6205, 89.5606,
246.1886

■ 0.2341, 0.0000,
9.9512

■ 128.3740,
115.8030, 297.9543

■ 0.0000, 0.0000,
5.2614

160.8122,

■ 0.0000, 0.0000,

146.7278, 356.5108

2.3400

198.3006,
182.7196, 422.2766

■ 0.0000, 0.0000,
0.7535

■ 0.0000, 0.0000,
0.0000

■ 19.3368, 15.1318,
74.5746

■ 19.3368, 15.1318,
74.5746

■ 17.3298, 12.0961,
74.0948

■ 22.1494, 19.0027,
75.1739

■ 16.1818, 10.1793,
73.7854

■ 25.8583, 23.7777,
75.9001

■ 30.5433, 29.5182,
76.7612

■ 36.2740, 36.2794,
77.7642

■ 43.1131, 44.1118,
78.9155

■ 51.1184, 53.0622,
80.2212

■ 60.3434, 63.1745,
81.6869

■ 70.8381, 74.4903,
83.3179

■ 82.6496, 87.0488,
85.1194

Harmonies

Analogous

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



12.6838, 15.1318, 80.3984



19.3368, 15.1318, 74.5746



26.1574, 15.1318, 48.8799

Triad

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



19.3368, 15.1318, 74.5746



23.3172, 15.1318, 1.4853



5.4026, 15.1318, 11.9086

Complementary

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



19.3368, 15.1318, 74.5746



46.0858, 44.5043, 8.2609

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.



6.8083, 15.1318, 2.9418



19.3368, 15.1318, 74.5746



16.2261, 15.1318, 0.3353

Square

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



19.3368, 15.1318, 74.5746



28.8845, 15.1318, 6.6966



10.3559, 15.1318, 0.6482



5.7887, 15.1318, 32.8997

Rectangle

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



19.3368, 15.1318, 74.5746



29.2597, 15.1318, 30.0572



10.3559, 15.1318, 0.6482



5.6617, 15.1318, 7.7620

Sweetspot

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



19.3376, 15.1322, 74.5750



63.0092, 65.1497, 103.8619



35.1767, 58.1272, 44.9663



12.6980, 13.0630, 22.1021



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



19.3376, 15.1322, 74.5750



21.3114, 13.6480, 96.1188



17.3326, 8.5117, 73.4028



13.9540, 14.6294, 18.2326



9.5300, 6.1220, 43.0626



0.7854, 0.6148, 3.2092

Inverse Universe

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



34.7726, 18.8383, 13.8599



42.9093, 22.0163, 10.4476



50.6358, 66.8350, 12.3313



14.5644, 14.4429, 15.9064



19.2038, 9.8157, 4.7022



1.4601, 0.7417, 0.5633

Previews

White Background



This preview shows how the XYZ color 19.3368, 15.1318, 74.5746 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 19.3368, 15.1318, 74.5746 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

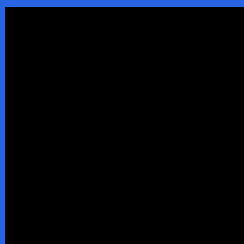
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

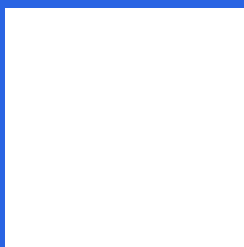
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.3368, 15.1318, 74.5746

Background



This preview shows how black text looks on a background with the XYZ color 19.3368, 15.1318, 74.5746.



This preview shows how white text looks on a background with the XYZ color 19.3368, 15.1318,

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

19.3368, 15.1318, 74.5746

Protanopia

17.8686, 15.0679, 69.6768

Deuteranopia

14.8702, 14.8696, 50.8016



Tritanopia

10.5472, 14.9652, 22.4114

Trichromacy



Original Color

19.3368, 15.1318, 74.5746

Protanomaly

18.3665, 15.1298, 71.7644

Deuteranomaly

16.1305, 14.7214, 58.4913

Tritanomaly

12.7130, 14.5562, 36.7899

Monochromacy



Original Color

19.3368, 15.1318, 74.5746

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

12.4623, 12.3268, 28.1080

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.3368, 15.1318, 74.5746 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(41, 100, 227)` looks like.

```
.text, #text, p{  
    color:rgb(41, 100, 227)  
}
```

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(41, 100, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 100, 227) }
```

Border

The CSS property to change the border of an element to XYZ 19.3368, 15.1318, 74.5746 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(41, 100, 227) }
```


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

```
.border{ border-color:rgb(41, 100, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 100, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 100, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 100, 227);  
box-shadow:4px 4px 4px 4px rgb(41, 100,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 19.3368, 15.1318, 74.5746 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 100, 227) }
```

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

```
.background{ background-color: rgb(41, 100,  
227) }
```

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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