

Converting Colors

XYZ(13.4061, 15.5919, 29.0910)

Have a look what the booklet for
XYZ(13.4061, 15.5919, 29.0910)
contains.

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Color

**XYZ(13.4061, 15.5919,
29.0910)**

Conversions

Conversions Part 1

Format	Color
Hex	3F7491
RGB	63, 116, 145
RGB Percent	25%, 45%, 57%
CMY	0.7529, 0.5451, 0.4314
CMYK	0.57, 0.20, 0.00, 0.43
HSL	201°, 39%, 41%
HSV	201°, 57%, 57%
XYZ	13.4061, 15.5919, 29.0910
YIQ	103.4590, -40.8970, -2.2170

Conversions

Conversions Part 2

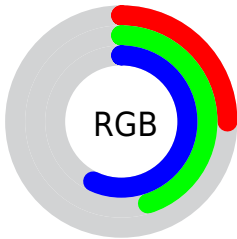
Format	Color
R _{YB}	63, 95, 145
Decimal	4158609
CIE _{Lab}	46.43, -8.84, -21.17
CIE _{LCh}	46, 22.941, 247.326
Yxy	15.5919, 0.2308, 0.2684
Android (android.graphics.Color)	4282348689 (0xFF3F7491)
YUV	103.4590, 20.4797, -35.4825
Hunter-Lab	39.4866, -8.4989, -16.0402

Details

The XYZ color **13.4061, 15.5919, 29.0910** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **16.4018, 14.0333, 6.5473**, and the grayscale version is **12.9694, 13.6448, 14.8592**.

A 20% lighter version of the original color is **31.6476, 35.9107, 59.2963**, and **4.0875, 4.9424, 11.3282** is the 20% darker color. If you saturate the color by 10%, you get **12.0244, 14.0264, 28.8620**, and if you desaturate by 10%, it is **15.0654, 17.3495, 29.3431**.

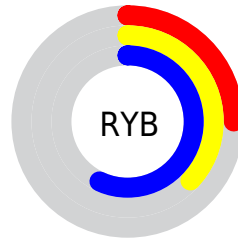
Distribution



Red (25%)

Green (45%)

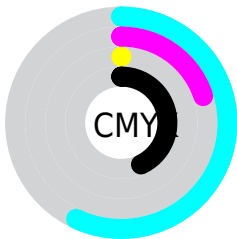
Blue (57%)



Red (25%)

Yellow (37%)

Blue (57%)

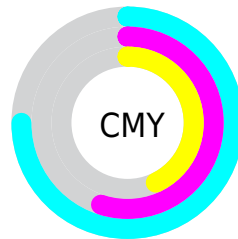


Cyan (57%)

Magenta (20%)

Yellow (0%)

Black (43%)



Cyan (75%)

Magenta (55%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.4061, 15.5919, 29.0910 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 13.4061, 15.5919, 29.0910 by changing the saturation by 10% instead.

■ 13.4061, 15.5919,
29.0910

■ 13.4061, 15.5919,
29.0910

207.0896,
226.9214, 311.7184

■ 7.7877, 9.2358,
18.9035

■ 31.6266, 35.8883,
59.2655

■ 4.0101, 4.8953,
11.4245

■ 44.9594, 50.5973,
80.0897

■ 1.7078, 2.1860,
6.2353

■ 61.5944, 68.8596,
105.2964

■ 0.4612, 0.7123,
2.9176

■ 81.8969, 91.0593,
135.3043

■ 0.0000, 0.0000,
1.0527

■ 106.2324,
117.5810, 170.5320

■ 0.0000, 0.0000,
0.0000

134.9661,

148.8089, 211.3978

168.4633,
185.1276, 258.3205

■ 13.4061, 15.5919,
29.0910

■ 13.4061, 15.5919,
29.0910

■ 12.0244, 14.0264,
28.8620

■ 15.0654, 17.3495,
29.3431

■ 10.8986, 12.6403,
28.6537

■ 17.0188, 19.3076,
29.6181

■ 10.0060, 11.4213,
28.4655

■ 19.2830, 21.4760,
29.9173

■ 9.3100, 10.3496,
28.2953

■ 21.8733, 23.8630,
30.2415

■ 9.0888, 10.0002,
28.2395

■ 24.8036, 26.4768,
30.5916

■ 28.0872, 29.3247,
30.9682

■ 31.7366, 32.4139,
31.3722

■ 35.7635, 35.7513,
31.8041

■ 40.1794, 39.3431,
32.2646

Harmonies

Analogous

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



12.0055, 15.5919, 24.4456



13.4061, 15.5919, 29.0910



15.3082, 15.5919, 30.1787

Triad

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



13.4061, 15.5919, 29.0910



18.9055, 15.5919, 15.6301



12.6383, 15.5919, 9.7257

Complementary

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



13.4061, 15.5919, 29.0910



16.4018, 14.0333, 6.5473

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.



14.3416, 15.5919, 8.3265



13.4061, 15.5919, 29.0910



18.0424, 15.5919, 11.2093

Square

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



13.4061, 15.5919, 29.0910



18.5990, 15.5919, 21.5144



16.3292, 15.5919, 8.8019



11.5904, 15.5919, 13.1270

Rectangle

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



13.4061, 15.5919, 29.0910



16.6284, 15.5919, 28.5611



16.3292, 15.5919, 8.8019



13.1470, 15.5919, 9.0444

Sweetspot

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



13.4066, 15.5925, 29.0914



38.7759, 42.3759, 54.1092



14.0944, 22.0754, 13.5753



8.4387, 9.2562, 12.0141



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



13.4066, 15.5925, 29.0914



20.9102, 24.3751, 51.5763



9.6977, 8.1746, 27.8551



5.4020, 5.7997, 6.8635



7.8207, 8.6273, 24.2301



0.0956, 0.1241, 0.2386

Inverse Universe

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



16.6074, 10.8362, 17.7399



27.5302, 16.0455, 27.7602



20.9211, 23.0720, 8.0538



5.5464, 5.4791, 6.3751



11.7506, 5.8573, 9.6040



0.1228, 0.0602, 0.1471

Previews

White Background



This preview shows how the XYZ color 13.4061, 15.5919, 29.0910 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 13.4061, 15.5919, 29.0910 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

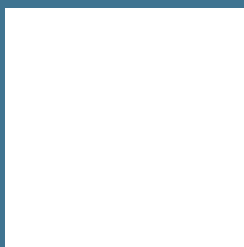
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.4061, 15.5919, 29.0910

Background



This preview shows how black text looks on a background with the XYZ color 13.4061, 15.5919, 29.0910.



This preview shows how white text looks on a background with the XYZ color 13.4061, 15.5919,

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

13.4061, 15.5919, 29.0910

Protanopia

15.5023, 15.4140, 26.5842

Deuteranopia

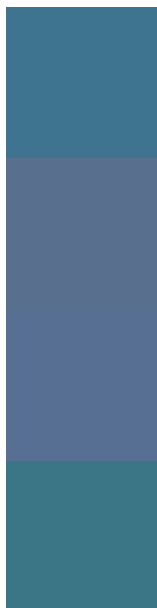
15.7746, 15.4844, 29.7611



Tritanopia

12.1902, 15.6194, 23.1412

Trichromacy



Original Color

13.4061, 15.5919, 29.0910

Protanomaly

14.5167, 15.3667, 27.4003

Deuteranomaly

14.7105, 15.4226, 29.3957

Tritanomaly

12.6552, 15.6359, 25.2727

Monochromacy



Original Color

13.4061, 15.5919, 29.0910

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.6571, 14.1078, 19.1955

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4061, 15.5919, 29.0910 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(63, 116, 145)` looks like.

```
.text, #text, p{  
    color:rgb(63, 116, 145)  
}
```

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(63, 116, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 116, 145) }
```

Border

The CSS property to change the border of an element to XYZ 13.4061, 15.5919, 29.0910 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(63, 116, 145) }
```


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

```
.border{ border-color:rgb(63, 116, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 116, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 116, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 116, 145);  
box-shadow:4px 4px 4px 4px rgb(63, 116,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 13.4061, 15.5919, 29.0910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 116, 145) }
```

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

```
.background{ background-color: rgb(63, 116,  
145) }
```

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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