

Converting Colors

XYZ(14.8339, 9.7315, 62.5701)

Have a look what the booklet for
XYZ(14.8339, 9.7315, 62.5701)
contains.

XYZ(14.8746, 9.7499, 62.7260)	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(14.8746, 9.7499,
62.7260)**

Conversions

Conversions Part 1

Format	Color
Hex	2648D3
RGB	38, 72, 211
RGB Percent	15%, 28%, 83%
CMY	0.8509, 0.7177, 0.1725
CMYK	0.82, 0.66, 0.00, 0.17
HSL	228°, 69%, 49%
HSV	228°, 82%, 83%
XYZ	14.8746, 9.7499, 62.7260
YIQ	77.6800, -64.8830, 36.0210

Conversions

Conversions Part 2

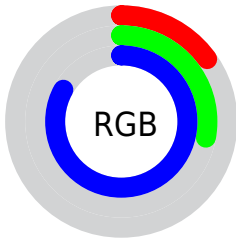
Format	Color
R_{YB}	38, 66, 211
Decimal	2509011
CIE _{Lab}	37.39, 39.32, -74.36
CIE _{LCh}	37, 84.118, 297.867
Yxy	9.7499, 0.1703, 0.1116
Android (android.graphics.Color)	4280699091 (0xFF2648D3)
YUV	77.6800, 65.7268, -34.7994
Hunter-Lab	31.2248, 30.3888, -97.2473

Details

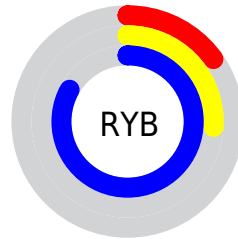
The XYZ color **14.8746, 9.7499, 62.7260** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **42.9405, 45.4416, 8.3432**, and the grayscale version is **7.0716, 7.4399, 8.1020**.

A 20% lighter version of the original color is **31.7059, 24.2303, 97.6136**, and **6.3558, 3.2453, 31.3018** is the 20% darker color. If you saturate the color by 10%, you get **13.3559, 7.5580, 62.3833**, and if you desaturate by 10%, it is **17.1371, 12.7736, 63.1907**.

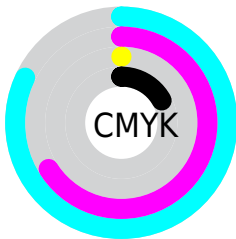
Distribution



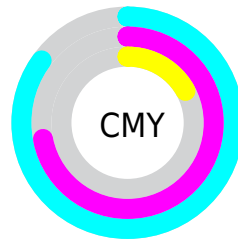
- Red (15%)
- Green (28%)
- Blue (83%)



- Red (15%)
- Yellow (26%)
- Blue (83%)



- Cyan (82%)
- Magenta (66%)
- Yellow (0%)
- Black (17%)



- Cyan (85%)
- Magenta (72%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.8746, 9.7499, 62.7260 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 14.8746, 9.7499, 62.7260 by changing the saturation by 10% instead.

■ 14.8746, 9.7499,
62.7260

■ 14.8746, 9.7499,
62.7260

216.0094,
188.8776, 452.6549

■ 8.8172, 5.2334,
45.1800

■ 34.2065, 25.3240,
110.3559

■ 4.6783, 2.3849,
31.2553

■ 48.2117, 37.1505,
141.2768

■ 2.0926, 0.8181,
20.5332

■ 65.5968, 52.1824,
177.4932

■ 0.6852, 0.0000,
12.5953

■ 86.7273, 70.8042,
219.4235

■ 0.0000, 0.0000,
7.0230

■ 111.9684, 93.4002,
267.4863

■ 0.0000, 0.0000,
3.3978

141.6856,

■ 0.0000, 0.0000,

120.3548, 322.1001

1.3012

176.2441,
152.0525, 383.6835

■ 0.0000, 0.0000,
0.0628

■ 0.0000, 0.0000,
0.0000

■ 14.8746, 9.7499,
62.7260

■ 14.8746, 9.7499,
62.7260

■ 13.3559, 7.5580,
62.3833

■ 17.1371, 12.7736,
63.1907

■ 12.5664, 6.3202,
62.1859

■ 20.2293, 16.7074,
63.7870

■ 24.2266, 21.6205,
64.5246

■ 29.1951, 27.5748,
65.4121

■ 35.1945, 34.6270,
66.4571

■ 42.2797, 42.8295,
67.6669

■ 50.5016, 52.2315,
69.0483

■ 59.9078, 62.8791,
70.6078

■ 70.5432, 74.8160,
72.3513

Harmonies

Analogous

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



8.8938, 9.7499, 74.3414



14.8746, 9.7499, 62.7260



20.8107, 9.7499, 34.8388

Triad

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



14.8746, 9.7499, 62.7260



15.7911, 9.7499, 0.0000



2.3697, 9.7499, 9.5690

Complementary

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



14.8746, 9.7499, 62.7260



42.9405, 45.4416, 8.3432

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.



3.0505, 9.7499, 1.4412



14.8746, 9.7499, 62.7260



9.6505, 9.7499, 0.0000

Square

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



14.8746, 9.7499, 62.7260



21.4662, 9.7499, 1.9958



5.2824, 9.7499, 0.0000



2.8737, 9.7499, 30.8569

Rectangle

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



14.8746, 9.7499, 62.7260



23.1753, 9.7499, 17.9833



5.2824, 9.7499, 0.0000



2.4595, 9.7499, 5.5985

Sweetspot

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



14.8752, 9.7501, 62.7263



61.1377, 61.4066, 103.2381



31.9709, 50.1518, 49.2795



12.2602, 12.1874, 21.9562



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.



14.8752, 9.7501, 62.7263



19.4418, 9.9089, 95.4956



16.6597, 8.2599, 62.3446



11.3490, 11.7883, 14.9209



7.6414, 3.9294, 37.5482



0.4837, 0.3327, 2.1183

Inverse Universe

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



28.7275, 15.7042, 7.6477



41.9657, 21.6388, 5.4782



37.9636, 54.1106, 10.2788



11.9023, 11.8457, 12.7614



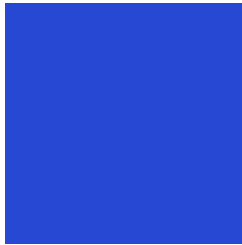
16.4878, 8.4679, 2.2087



0.9504, 0.4849, 0.2736

Previews

White Background



This preview shows how the XYZ color 14.8746, 9.7499, 62.7260 looks on a white background.

Color Contrast Check

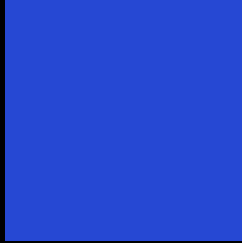
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the XYZ color 14.8746, 9.7499, 62.7260 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

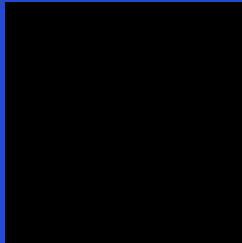
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 14.8746, 9.7499, 62.7260

Background



This preview shows how black text looks on a background with the XYZ color 14.8746, 9.7499, 62.7260.



This preview shows how white text looks on a background with the XYZ color 14.8746, 9.7499,

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

14.8746, 9.7499, 62.7260

Protanopia

11.2062, 9.5550, 43.3731

Deuteranopia

9.3237, 9.5793, 31.0633



Tritanopia

6.7229, 9.5287, 14.3168

Trichromacy



Original Color

14.8746, 9.7499, 62.7260

Protanomaly

12.3440, 9.5484, 49.9076

Deuteranomaly

10.8172, 9.2970, 40.7595

Tritanomaly

8.5533, 9.0258, 26.8825

Monochromacy



Original Color

14.8746, 9.7499, 62.7260

Achromatopsia

7.2414, 7.6185, 8.2966

Achromatomaly

8.4002, 7.7320, 20.7883

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.8746, 9.7499, 62.7260 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(38, 72, 211)` looks like.

```
.text, #text, p{  
    color:rgb(38, 72, 211)  
}
```

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(38, 72, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 72, 211) }
```

Border

The CSS property to change the border of an element to XYZ 14.8746, 9.7499, 62.7260 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(38, 72, 211) }
```


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

```
.border{ border-color:rgb(38, 72, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 72, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 72, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 72, 211);  
box-shadow:4px 4px 4px 4px rgb(38, 72,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 14.8746, 9.7499, 62.7260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 72, 211) }
```

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

```
.background{ background-color: rgb(38, 72,  
211) }
```

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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