

Converting Colors

XYZ(9.3789, 13.1461, 16.0001)

Have a look what the booklet for
XYZ(9.3789, 13.1461, 16.0001)
contains.

XYZ(9.3625, 13.1213, 15.9491)	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(9.3625, 13.1213,
15.9491)**

Conversions

Conversions Part 1

Format	Color
Hex	29706B
RGB	41, 112, 107
RGB Percent	16%, 44%, 42%
CMY	0.8392, 0.5608, 0.5804
CMYK	0.63, 0.00, 0.04, 0.56
HSL	176°, 46%, 30%
HSV	176°, 63%, 44%
XYZ	9.3625, 13.1213, 15.9491
YIQ	90.2010, -40.7110, -16.6070

Conversions

Conversions Part 2

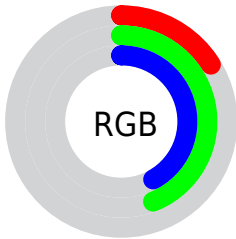
Format	Color
RYB	41, 78, 112
Decimal	2715755
CIELab	42.95, -23.16, -3.80
CIElCh	43, 23.468, 189.313
Yxy	13.1213, 0.2436, 0.3414
Android (android.graphics.Color)	4280905835 (0xFF29706B)
YUV	90.2010, 8.2819, -43.1493
Hunter-Lab	36.2233, -17.2547, -0.7490




Details

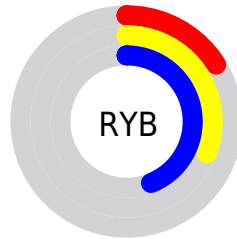
The XYZ color **9.3625, 13.1213, 15.9491** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **7.9687, 5.2284, 3.1745**, and the grayscale version is **9.7523, 10.2602, 11.1733**.




A 20% lighter version of the original color is **24.1663, 31.4524, 37.1450**, and **2.6490, 3.9930, 4.9061** is the 20% darker color. If you saturate the color by 10%, you get **8.9367, 12.9068, 15.7138**, and if you desaturate by 10%, it is **9.9167, 13.4025, 16.1930**.

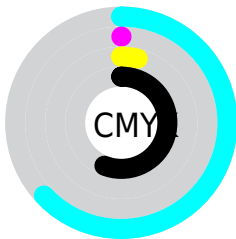
Distribution







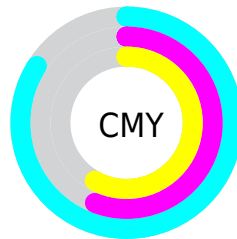
-  Red (16%)
-  Green (44%)
-  Blue (42%)






-  Red (16%)
-  Yellow (31%)
-  Blue (44%)



-  Cyan (63%)
-  Magenta (0%)
-  Yellow (4%)
-  Black (56%)



-  Cyan (84%)
-  Magenta (56%)
-  Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.3625, 13.1213, 15.9491 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 9.3625, 13.1213, 15.9491 by changing the saturation by 10% instead.

9.3625, 13.1213,
15.9491

9.3625, 13.1213,
15.9491

180.2100,
211.6936, 240.8766

5.0374, 7.5121,
9.3342

24.2500, 31.5215,
37.2754

2.3042, 3.7844,
4.8600

35.5431, 45.0814,
52.8238

0.7968, 1.5537,
2.1081

49.8896, 62.0602,
72.1872

0.0000, 0.3261,
0.6206

67.6548, 82.8425,
95.7840

0.0000, 0.0000,
0.0000

89.2041, 107.8126,
124.0328

114.9028,

137.3549, 157.3521

145.1163,
171.8537, 196.1606

■ 9.3625, 13.1213,
15.9491

■ 9.3625, 13.1213,
15.9491

■ 8.9367, 12.9068,
15.7138

■ 9.9167, 13.4025,
16.1930

■ 8.6269, 12.7519,
15.4855

■ 10.6079, 13.7540,
16.4450

■ 8.4181, 12.6489,
15.2640

■ 11.4454, 14.1808,
16.7059

■ 8.2988, 12.5905,
15.1195

■ 12.4372, 14.6871,
16.9760

■ 13.5910, 15.2769,
17.2556

■ 14.9136, 15.9537,
17.5452

■ 16.4118, 16.7210,
17.8449

■ 18.0918, 17.5819,
18.1552

■ 19.9595, 18.5396,
18.4763

Harmonies

Analogous

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



9.5097, 13.1213, 11.0680



9.3625, 13.1213, 15.9491



9.9841, 13.1213, 21.5195

Triad

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



9.3625, 13.1213, 15.9491



14.7915, 13.1213, 23.3940



13.7325, 13.1213, 6.8839

Complementary

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



9.3625, 13.1213, 15.9491



7.9687, 5.2284, 3.1745

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.



15.3408, 13.1213, 8.8890



9.3625, 13.1213, 15.9491



15.9919, 13.1213, 18.0762

Square

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



9.3625, 13.1213, 15.9491



13.0390, 13.1213, 26.4484



16.2020, 13.1213, 12.7443



11.9205, 13.1213, 6.5766

Rectangle

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



9.3625, 13.1213, 15.9491



10.7895, 13.1213, 24.6003



16.2020, 13.1213, 12.7443



14.3195, 13.1213, 7.3538

Sweetspot

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



9.3629, 13.1218, 15.9494



22.6027, 26.1863, 30.0108



7.3633, 12.3513, 4.0942



5.3238, 6.2368, 7.1835



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



9.3629, 13.1218, 15.9494



15.4244, 22.5357, 27.4183



6.8884, 7.7395, 16.4606



3.4653, 3.8113, 4.2567



9.5902, 14.5536, 17.4606



47.6405, 72.4448, 86.2812

Inverse Universe

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



7.9687, 5.2284, 3.1745



12.7664, 7.4188, 3.0125



9.3097, 8.0591, 3.1631



3.3932, 3.4050, 3.5971



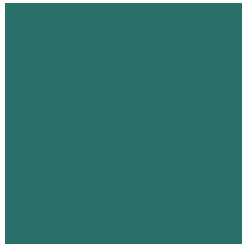
7.7712, 4.0009, 0.6051



38.5858, 19.8797, 2.3513

Previews

White Background



This preview shows how the XYZ color 9.3625, 13.1213, 15.9491 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 9.3625, 13.1213, 15.9491 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 9.3625, 13.1213, 15.9491

Background



This preview shows how black text looks on a background with the XYZ color 9.3625, 13.1213, 15.9491.



This preview shows how white text looks on a background with the XYZ color 9.3625, 13.1213,

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

9.3625, 13.1213, 15.9491

Protanopia

12.4509, 12.9180, 13.8938

Deuteranopia

13.2456, 12.9870, 16.5605



Tritanopia

10.0780, 13.0881, 19.4479

Trichromacy



Original Color

9.3625, 13.1213, 15.9491

Protanomaly

10.7068, 12.5854, 14.6969

Deuteranomaly

11.1778, 12.6436, 16.3193

Tritanomaly

9.8611, 13.1646, 18.2409

Monochromacy



Original Color

9.3625, 13.1213, 15.9491

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

9.1515, 10.9576, 12.6990

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.3625, 13.1213, 15.9491 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, 112, 107)` looks like.

```
.text, #text, p{  
    color:rgb(41, 112, 107)  
}
```

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, 112, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 112, 107) }
```

Border

The CSS property to change the border of an element to XYZ 9.3625, 13.1213, 15.9491 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, 112, 107) }
```


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

```
.border{ border-color:rgb(41, 112, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 112, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 112, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 112, 107);  
box-shadow:4px 4px 4px 4px rgb(41, 112,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 9.3625, 13.1213, 15.9491 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 112, 107) }
```

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

```
.background{ background-color: rgb(41, 112,  
107) }
```

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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