

Converting Colors

XYZ(13.7485, 16.1278, 27.2966)

Have a look what the booklet for
XYZ(13.7485, 16.1278, 27.2966)
contains.

XYZ(13.7378, 16.1524, 27.2046)	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(13.7378, 16.1524,
27.2046)**

Conversions

Conversions Part 1

Format	Color
Hex	46768C
RGB	70, 118, 140
RGB Percent	27%, 46%, 55%
CMY	0.7255, 0.5372, 0.4510
CMYK	0.50, 0.16, 0.00, 0.45
HSL	199°, 33%, 41%
HSV	199°, 50%, 55%
XYZ	13.7378, 16.1524, 27.2046
YIQ	106.1560, -35.6700, -3.3340

Conversions

Conversions Part 2

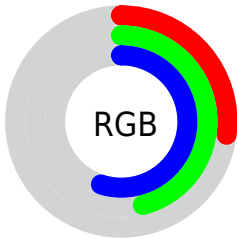
Format	Color
R_{YB}	70, 98, 140
Decimal	4617868
CIE _{Lab}	47.17, -9.90, -17.05
CIE _{LCh}	47, 19.714, 239.850
Yxy	16.1524, 0.2406, 0.2829
Android (android.graphics.Color)	4282807948 (0xFF46768C)
YUV	106.1560, 16.6851, -31.7088
Hunter-Lab	40.1900, -9.3175, -12.0003

Details

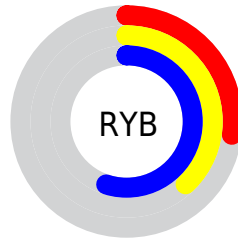
The XYZ color **13.7378, 16.1524, 27.2046** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **15.7482, 13.6722, 7.6037**, and the grayscale version is **13.7054, 14.4192, 15.7025**.

A 20% lighter version of the original color is **32.2807, 36.8554, 56.4514**, and **4.1872, 5.1967, 10.4552** is the 20% darker color. If you saturate the color by 10%, you get **12.3372, 14.6794, 26.9944**, and if you desaturate by 10%, it is **15.3991, 17.7964, 27.4347**.

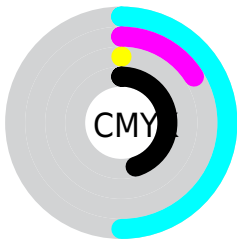
Distribution



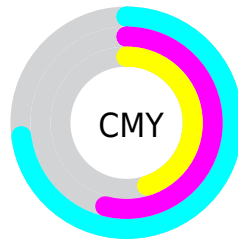
- Red (27%)
- Green (46%)
- Blue (55%)



- Red (27%)
- Yellow (38%)
- Blue (55%)



- Cyan (50%)
- Magenta (16%)
- Yellow (0%)
- Black (45%)



- Cyan (73%)
- Magenta (54%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.7378, 16.1524, 27.2046 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 13.7378, 16.1524, 27.2046 by changing the saturation by 10% instead.

■ 13.7378, 16.1524,
27.2046

■ 13.7378, 16.1524,
27.2046

209.1369,
230.2393, 302.4379

■ 8.0190, 9.6321,
17.4931

■ 32.2132, 36.8626,
56.2197

■ 4.1590, 5.1557,
10.4211

■ 45.7006, 51.8212,
76.3605

■ 1.7925, 2.3389,
5.5698

■ 62.5082, 70.3614,
100.8148

■ 0.5131, 0.7942,
2.5208

■ 83.0013, 92.8675,
130.0011

■ 0.0000, 0.0000,
0.8511

■ 107.5454,
119.7240, 164.3380

■ 0.0000, 0.0000,
0.0000

136.5058,

151.3152, 204.2441

170.2479,
188.0255, 250.1379

■ 13.7378, 16.1524,
27.2046

■ 13.7378, 16.1524,
27.2046

■ 12.3372, 14.6794,
26.9944

■ 15.3991, 17.7964,
27.4347

■ 11.1789, 13.3663,
26.8020

■ 17.3348, 19.6179,
27.6842

■ 10.2441, 12.2033,
26.6268

■ 19.5595, 21.6252,
27.9544

■ 9.5107, 11.1786,
26.4677

■ 22.0864, 23.8256,
28.2459

■ 8.9168, 10.2597,
26.3216

■ 24.9277, 26.2257,
28.5595

■ 8.9167, 10.2596,
26.3216

■ 28.0948, 28.8321,
28.8956

■ 31.5988, 31.6506,
29.2550

■ 35.4500, 34.6872,
29.6381

■ 39.6583, 37.9474,
30.0456

Harmonies

Analogous

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



12.6382, 16.1524, 22.7814



13.7378, 16.1524, 27.2046



15.3437, 16.1524, 28.9693

Triad

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



13.7378, 16.1524, 27.2046



18.9340, 16.1524, 17.6122



13.7518, 16.1524, 10.5369

Complementary

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



13.7378, 16.1524, 27.2046



15.7482, 13.6722, 7.6037

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.



15.3611, 16.1524, 9.6619



13.7378, 16.1524, 27.2046



18.4298, 16.1524, 13.2494

Square

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



13.7378, 16.1524, 27.2046



18.4200, 16.1524, 22.8327



17.0887, 16.1524, 10.5546



12.6458, 16.1524, 13.2137

Rectangle

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



13.7378, 16.1524, 27.2046



16.5127, 16.1524, 28.1851



17.0887, 16.1524, 10.5546



14.2477, 16.1524, 10.0475

Sweetspot

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



13.7383, 16.1530, 27.2050



36.5023, 39.8992, 49.5204



13.7926, 20.8139, 13.1885



8.2228, 9.0291, 11.3888



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



13.7383, 16.1530, 27.2050



21.4693, 25.5717, 47.5473



10.4301, 9.5366, 26.1023



5.0425, 5.4279, 6.3878



7.9409, 9.1522, 23.3937



0.0659, 0.0871, 0.1598

Inverse Universe

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



16.2758, 11.2642, 18.4566



26.6718, 16.6228, 29.3697



19.3819, 20.9397, 8.8150



5.1681, 5.1027, 5.9735



11.4950, 5.7081, 10.3770



0.0830, 0.0406, 0.1039

Previews

White Background



This preview shows how the XYZ color 13.7378, 16.1524, 27.2046 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 13.7378, 16.1524, 27.2046 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 13.7378, 16.1524, 27.2046

Background



This preview shows how black text looks on a background with the XYZ color 13.7378, 16.1524, 27.2046.



This preview shows how white text looks on a background with the XYZ color 13.7378, 16.1524,

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

13.7378, 16.1524, 27.2046

Protanopia

15.8930, 15.9653, 25.1656

Deuteranopia

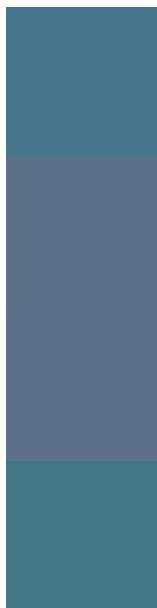
16.2950, 15.9544, 27.8119



Tritanopia

12.9937, 16.2112, 23.2131

Trichromacy



Original Color

13.7378, 16.1524, 27.2046

Protanomaly

14.9347, 15.9436, 25.9572

Deuteranomaly

15.1161, 15.8386, 27.4598

Tritanomaly

13.2144, 16.1161, 24.6045

Monochromacy



Original Color

13.7378, 16.1524, 27.2046

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

13.3601, 14.7870, 19.2896

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7378, 16.1524, 27.2046 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(70, 118, 140)` looks like.

```
.text, #text, p{  
    color:rgb(70, 118, 140)  
}
```

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(70, 118, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 118, 140) }
```

Border

The CSS property to change the border of an element to XYZ 13.7378, 16.1524, 27.2046 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(70, 118, 140) }
```


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

```
.border{ border-color:rgb(70, 118, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 118, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 118, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 118, 140);  
box-shadow:4px 4px 4px 4px rgb(70, 118,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 13.7378, 16.1524, 27.2046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 118, 140) }
```

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

```
.background{ background-color: rgb(70, 118,  
140) }
```

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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