

Converting Colors

XYZ(16.4727, 17.7440, 20.3500)

Have a look what the booklet for
XYZ(16.4727, 17.7440, 20.3500)
contains.

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Color

**XYZ(16.4241, 17.6924,
20.3186)**

Conversions

Conversions Part 1

Format	Color
Hex	6F7678
RGB	111, 118, 120
RGB Percent	44%, 46%, 47%
CMY	0.5647, 0.5372, 0.5294
CMYK	0.07, 0.02, 0.00, 0.53
HSL	193°, 4%, 45%
HSV	193°, 7%, 47%
XYZ	16.4241, 17.6924, 20.3186
YIQ	116.1350, -4.8140, -0.8620

Conversions

Conversions Part 2

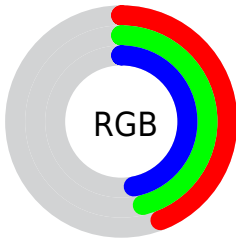
Format	Color
R_{YB}	111, 115, 120
Decimal	7304824
CIE _{Lab}	49.12, -2.20, -2.01
CIE _{LCh}	49, 2.980, 222.475
Yxy	17.6924, 0.3017, 0.3250
Android (android.graphics.Color)	4285494904 (0xFF6F7678)
YUV	116.1350, 1.9054, -4.5034
Hunter-Lab	42.0623, -3.9101, 0.8031

Details

The XYZ color **16.4241, 17.6924, 20.3186** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.5201, 16.9508, 17.4403**, and the grayscale version is **16.6376, 17.5041, 19.0619**.

A 20% lighter version of the original color is **36.9254, 39.5145, 44.7106**, and **5.4098, 5.9050, 6.9855** is the 20% darker color. If you saturate the color by 10%, you get **14.7053, 16.3476, 20.1499**, and if you desaturate by 10%, it is **18.3557, 19.1610, 20.5005**.

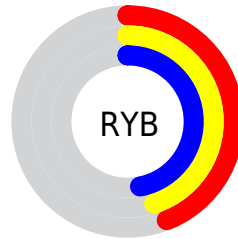
Distribution



Red (44%)

Green (46%)

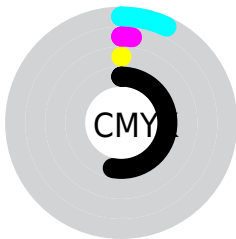
Blue (47%)



Red (44%)

Yellow (45%)

Blue (47%)

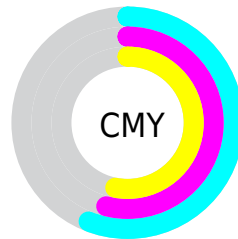


Cyan (7%)

Magenta (2%)

Yellow (0%)

Black (53%)



Cyan (56%)

Magenta (54%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4241, 17.6924, 20.3186 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 16.4241, 17.6924, 20.3186 by changing the saturation by 10% instead.

■ 16.4241, 17.6924,
20.3186

■ 16.4241, 17.6924,
20.3186

225.0529,
239.1315, 266.2958

■ 9.9175, 10.7294,
12.4405

■ 36.8844, 39.5125,
44.8167

■ 5.4061, 5.8852,
6.9182

■ 51.5689, 55.1383,
62.2737

■ 2.5247, 2.7754,
3.3333

■ 69.7100, 74.4206,
83.7608

■ 0.9077, 1.0156,
1.2673

■ 91.6731, 97.7436,
109.6964

■ 0.0000, 0.0000,
0.0347

117.8236,
125.4918, 140.4992

■ 0.0000, 0.0000,
0.0000

148.5269,

158.0496, 176.5877

184.1482,
195.8014, 218.3803

■ 16.4241, 17.6924,
20.3186

■ 16.4241, 17.6924,
20.3186

■ 14.7053, 16.3476,
20.1499

■ 18.3557, 19.1610,
20.5005

■ 13.1896, 15.1201,
19.9928

■ 20.5061, 20.7552,
20.6949

■ 11.8690, 14.0061,
19.8474

■ 22.8832, 22.4797,
20.9025

■ 10.7340, 13.0006,
19.7132

■ 25.4939, 24.3380,
21.1236

■ 9.7747, 12.0984,
19.5896

■ 28.3448, 26.3337,
21.3585

■ 8.9801, 11.2937,
19.4761

■ 31.4423, 28.4702,
21.6077

■ 8.3377, 10.5800,
19.3722

■ 34.7924, 30.7507,
21.8713

■ 7.8333, 9.9498,
19.2772

■ 38.4011, 33.1784,
22.1497

■ 7.4328, 9.3854,
19.1894

■ 42.2740, 35.7563,
22.4431

Harmonies

Analogous

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



16.2985, 17.6924, 19.5973



16.4241, 17.6924, 20.3186



16.6553, 17.6924, 20.7642

Triad

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



16.4241, 17.6924, 20.3186



17.3321, 17.6924, 19.7297



16.7007, 17.6924, 17.8047

Complementary

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



16.4241, 17.6924, 20.3186



16.5201, 16.9508, 17.4403

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.



16.9779, 17.6924, 17.8379



16.4241, 17.6924, 20.3186



17.3445, 17.6924, 18.9345

Square

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



16.4241, 17.6924, 20.3186



17.1804, 17.6924, 20.4178



17.2143, 17.6924, 18.2466



16.4570, 17.6924, 18.1545

Rectangle

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



16.4241, 17.6924, 20.3186



16.8392, 17.6924, 20.8377



17.2143, 17.6924, 18.2466



16.7930, 17.6924, 17.7717

Sweetspot

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



16.4246, 17.6931, 20.3190



30.6919, 32.4988, 35.9083



16.2501, 18.0038, 18.2269



7.2860, 7.7112, 8.5111



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



16.4246, 17.6931, 20.3190



28.3412, 30.6964, 35.6843



15.9126, 16.6692, 20.1483



4.0352, 4.3687, 5.0737



7.9926, 10.0677, 20.9073



37.4734, 46.7193, 99.5125

Inverse Universe

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



16.7005, 16.6702, 19.4778



28.9334, 28.5171, 33.8753



17.0291, 17.9687, 17.6099



4.1182, 4.0630, 4.8202



10.6176, 5.2232, 11.8093



50.3180, 24.7835, 54.5978

Previews

White Background



This preview shows how the XYZ color 16.4241, 17.6924, 20.3186 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 16.4241, 17.6924, 20.3186 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

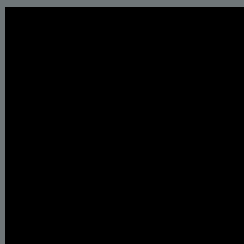
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

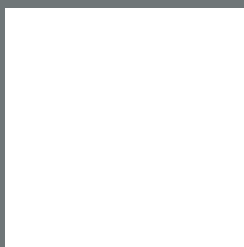
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.4241, 17.6924, 20.3186

Background



This preview shows how black text looks on a background with the XYZ color 16.4241, 17.6924, 20.3186.



This preview shows how white text looks on a background with the XYZ color 16.4241, 17.6924,

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

16.4241, 17.6924, 20.3186

Protanopia

17.0464, 17.6742, 19.9658

Deuteranopia

17.9605, 17.6264, 20.5448



Tritanopia

16.8093, 17.6737, 22.2641

Trichromacy



Original Color

16.4241, 17.6924, 20.3186

Protanomaly

16.7613, 17.6993, 19.9857

Deuteranomaly

17.4671, 17.7069, 20.5863

Tritanomaly

16.6815, 17.6226, 21.5911

Monochromacy



Original Color

16.4241, 17.6924, 20.3186

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.5116, 17.5843, 19.3535

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4241, 17.6924, 20.3186 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(111, 118, 120)` looks like.

```
.text, #text, p{  
    color:rgb(111, 118, 120)  
}
```

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(111, 118, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 118, 120) }
```

Border

The CSS property to change the border of an element to XYZ 16.4241, 17.6924, 20.3186 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(111, 118, 120) }
```


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

```
.border{ border-color:rgb(111, 118, 120) }
```

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

Here you see how a box with a 4 pixel rgb(111, 118, 120) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 118, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 118, 120);  
box-shadow:4px 4px 4px 4px rgb(111, 118,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4241, 17.6924, 20.3186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 118, 120) }
```

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

```
.background{ background-color: rgb(111,  
118, 120) }
```

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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