

Converting Colors

XYZ(17.7285, 18.0507, 24.6113)

Have a look what the booklet for
XYZ(17.7285, 18.0507, 24.6113)
contains.

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Color

**XYZ(17.7974, 18.1290,
24.7515)**

Conversions

Conversions Part 1

Format	Color
Hex	747585
RGB	116, 117, 133
RGB Percent	45%, 46%, 52%
CMY	0.5451, 0.5412, 0.4784
CMYK	0.13, 0.12, 0.00, 0.48
HSL	236°, 7%, 49%
HSV	236°, 13%, 52%
XYZ	17.7974, 18.1290, 24.7515
YIQ	118.5250, -5.7320, 4.7640

Conversions

Conversions Part 2

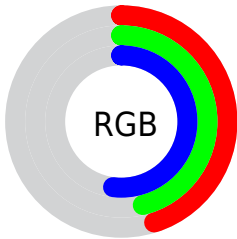
Format	Color
R _Y B	116, 117, 133
Decimal	7632261
CIE Lab	49.65, 3.07, -8.87
CIE LCh	50, 9.383, 289.078
Yxy	18.1290, 0.2933, 0.2988
Android (android.graphics.Color)	4285822341 (0xFF747585)
YUV	118.5250, 7.1362, -2.2144
Hunter-Lab	42.5782, 0.1001, -4.6617

Details

The XYZ color **17.7974, 18.1290, 24.7515** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **21.0767, 22.7501, 19.8038**, and the grayscale version is **17.3646, 18.2690, 19.8949**.

A 20% lighter version of the original color is **39.1993, 40.2459, 52.1566**, and **6.1123, 6.1253, 9.2477** is the 20% darker color. If you saturate the color by 10%, you get **14.7924, 14.5581, 24.2209**, and if you desaturate by 10%, it is **21.2517, 22.2220, 25.3597**.

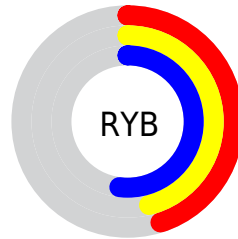
Distribution



Red (45%)

Green (46%)

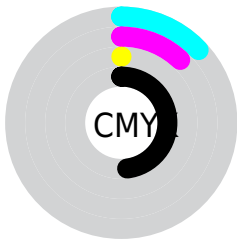
Blue (52%)



Red (45%)

Yellow (46%)

Blue (52%)

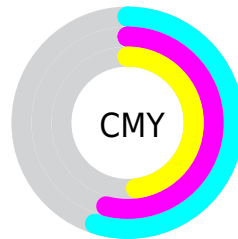


Cyan (13%)

Magenta (12%)

Yellow (0%)

Black (48%)



Cyan (55%)

Magenta (54%)

Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.7974, 18.1290, 24.7515 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 17.7974, 18.1290, 24.7515 by changing the saturation by 10% instead.

■ 17.7974, 18.1290,
24.7515

■ 17.7974, 18.1290,
24.7515

232.7943,
241.5972, 290.0061

■ 10.9034, 11.0426,
15.6747

■ 39.2246, 40.2570,
52.2129

■ 6.0687, 6.0955,
9.1424

■ 54.4885, 56.0675,
71.4346

■ 2.9280, 2.9033,
4.7361

■ 73.2732, 75.5547,
94.8749

■ 1.1158, 1.0814,
2.0373

■ 95.9439, 99.1032,
122.9525

■ 0.0383, 0.0000,
0.5780

122.8660,
127.0973, 156.0859

■ 0.0000, 0.0000,
0.0000

154.4049,

159.9214, 194.6936

190.9259,
197.9599, 239.1941

■ 17.7974, 18.1290,
24.7515

■ 17.7974, 18.1290,
24.7515

■ 14.7924, 14.5581,
24.2209

■ 21.2517, 22.2220,
25.3597

■ 12.2166, 11.4861,
23.7637

■ 25.1710, 26.8545,
26.0473

■ 10.0509, 8.8915,
23.3770

■ 29.5721, 32.0459,
26.8174

■ 8.2742, 6.7503,
23.0574

■ 34.4708, 37.8141,
27.6726

■ 6.8633, 5.0364,
22.8009

■ 39.8819, 44.1759,
28.6154

■ 5.7927, 3.7211,
22.6035

■ 45.8197, 51.1478,
29.6481

■ 5.0336, 2.7721,
22.4603

■ 52.2979, 58.7453,
30.7731

■ 4.5523, 2.1522,
22.3661

■ 59.3297, 66.9836,
31.9927

■ 4.3187, 1.8635,
22.3226

■ 66.9279, 75.8773,
33.3089

Harmonies

Analogous

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



16.9084, 18.1290, 24.9622



17.7974, 18.1290, 24.7515



18.5589, 18.1290, 23.1326

Triad

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



17.7974, 18.1290, 24.7515



18.3784, 18.1290, 16.2578



15.6023, 18.1290, 18.8239

Complementary

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



17.7974, 18.1290, 24.7515



21.0767, 22.7501, 19.8038

Split Complementary

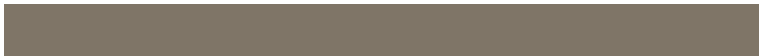
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



15.9681, 18.1290, 16.6954



17.7974, 18.1290, 24.7515



17.5579, 18.1290, 15.3012

Square

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



17.7974, 18.1290, 24.7515



18.9022, 18.1290, 18.1780



16.6769, 18.1290, 15.4542



15.6614, 18.1290, 21.3877

Rectangle

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



17.7974, 18.1290, 24.7515



18.8822, 18.1290, 21.5447



16.6769, 18.1290, 15.4542



15.6791, 18.1290, 18.0379

Sweetspot

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



17.7979, 18.1298, 24.7519



37.2003, 38.7806, 45.2631



19.7461, 22.1507, 25.0170



8.2838, 8.6220, 10.1803



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



17.7979, 18.1298, 24.7519



30.4193, 30.7419, 44.0689



18.7004, 18.4228, 24.7609



4.4549, 4.5854, 5.8510



4.1157, 1.7793, 21.2632



0.0156, 0.0088, 0.0741

Inverse Universe

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



19.1296, 18.7622, 19.4436



33.2352, 32.0863, 32.8425



20.0905, 22.4441, 19.7968



4.6829, 4.6928, 4.9423



9.2555, 4.7666, 0.6521



0.0327, 0.0168, 0.0058

Previews

White Background



This preview shows how the XYZ color 17.7974, 18.1290, 24.7515 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 17.7974, 18.1290, 24.7515 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

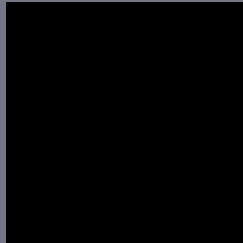
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

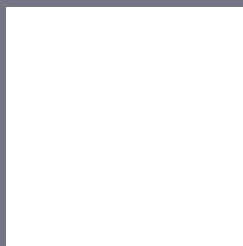
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.7974, 18.1290, 24.7515

Background



This preview shows how black text looks on a background with the XYZ color 17.7974, 18.1290, 24.7515.



This preview shows how white text looks on a background with the XYZ color 17.7974, 18.1290,

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

17.7974, 18.1290, 24.7515

Protanopia

17.7974, 18.1290, 24.7515

Deuteranopia

18.3904, 18.0925, 24.7132



Tritanopia

17.3794, 18.1340, 22.6629

Trichromacy



Original Color

17.7974, 18.1290, 24.7515

Protanomaly

17.7974, 18.1290, 24.7515

Deuteranomaly

18.2248, 18.1773, 24.7383

Tritanomaly

17.5111, 18.1867, 23.3563

Monochromacy



Original Color

17.7974, 18.1290, 24.7515

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

17.5877, 18.2637, 21.6670

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.7974, 18.1290, 24.7515 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(116, 117, 133)` looks like.

```
.text, #text, p{  
    color:rgb(116, 117, 133)  
}
```

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(116, 117, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 117, 133) }
```

Border

The CSS property to change the border of an element to XYZ 17.7974, 18.1290, 24.7515 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(116, 117, 133) }
```


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

```
.border{ border-color:rgb(116, 117, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 117, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 117, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 117, 133);  
box-shadow:4px 4px 4px 4px rgb(116, 117,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 17.7974, 18.1290, 24.7515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 117, 133) }
```

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

```
.background{ background-color: rgb(116,  
117, 133) }
```

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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