

Converting Colors

XYZ(12.1710, 14.8523, 18.4381)

Have a look what the booklet for
XYZ(12.1710, 14.8523, 18.4381)
contains.

XYZ(12.1724, 14.8502, 18.4445)	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(12.1724, 14.8502,
18.4445)**

Conversions

Conversions Part 1

Format	Color
Hex	4D7273
RGB	77, 114, 115
RGB Percent	30%, 45%, 45%
CMY	0.6980, 0.5529, 0.5490
CMYK	0.33, 0.01, 0.00, 0.55
HSL	182°, 20%, 38%
HSV	182°, 33%, 45%
XYZ	12.1724, 14.8502, 18.4445
YIQ	103.0510, -22.3730, -7.5330

Conversions

Conversions Part 2

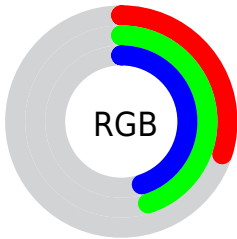
Format	Color
RYB	77, 96, 115
Decimal	5075571
CIELab	45.43, -12.75, -4.75
CIELCh	45, 13.606, 200.439
Yxy	14.8502, 0.2677, 0.3266
Android (android.graphics.Color)	4283265651 (0xFF4D7273)
YUV	103.0510, 5.8909, -22.8467
Hunter-Lab	38.5360, -11.0549, -1.4029

Details

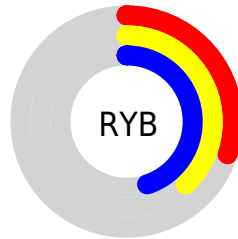
The XYZ color **12.1724, 14.8502, 18.4445** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **11.1344, 9.6296, 8.2934**, and the grayscale version is **12.8951, 13.5666, 14.7741**.

A 20% lighter version of the original color is **29.5134, 34.6517, 41.6921**, and **3.4680, 4.5629, 6.0081** is the 20% darker color. If you saturate the color by 10%, you get **11.2914, 14.3459, 18.3938**, and if you desaturate by 10%, it is **13.2185, 15.4405, 18.5036**.

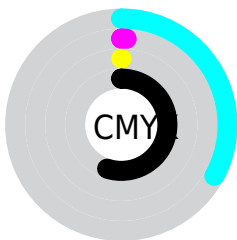
Distribution



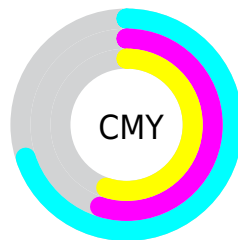
- Red (30%)
- Green (45%)
- Blue (45%)



- Red (30%)
- Yellow (38%)
- Blue (45%)



- Cyan (33%)
- Magenta (1%)
- Yellow (0%)
- Black (55%)



- Cyan (70%)
- Magenta (55%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.1724, 14.8502, 18.4445 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 12.1724, 14.8502, 18.4445 by changing the saturation by 10% instead.

■ 12.1724, 14.8502,
18.4445

■ 12.1724, 14.8502,
18.4445

199.2900,
222.4577, 255.6844

■ 6.9342, 8.7143,
11.0969

■ 29.4228, 34.5902,
41.6174

■ 3.4670, 4.5553,
6.0170

■ 42.1658, 48.9631,
58.2798

■ 1.4052, 1.9888,
2.7865

■ 58.1412, 66.8504,
78.8841

■ 0.2600, 0.6010,
0.9867

■ 77.7141, 88.6366,
103.8490

■ 0.0000, 0.0000,
0.0000

■ 101.2502,
114.7060, 133.5929

129.1146,

145.4431, 168.5344

161.6727,
181.2322, 209.0920

■ 12.1724, 14.8502,
18.4445

■ 12.1724, 14.8502,
18.4445

■ 11.2914, 14.3459,
18.3938

■ 13.2185, 15.4405,
18.5036

■ 10.5656, 13.9213,
18.3501

■ 14.4363, 16.1192,
18.5704

■ 9.9858, 13.5722,
18.3133

■ 15.8338, 16.8907,
18.6456

■ 9.5417, 13.2933,
18.2829

■ 17.4181, 17.7586,
18.7297

■ 9.2215, 13.0783,
18.2583

■ 19.1958, 18.7264,
18.8228

■ 9.0097, 12.9194,
18.2388

■ 21.1732, 19.7974,
18.9253

■ 8.8863, 12.8214,
18.2263

■ 23.3564, 20.9746,
19.0374

■ 25.7513, 22.2610,
19.1595

■ 28.3632, 23.6596,
19.2918

Harmonies

Analogous

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



12.0759, 14.8502, 15.1562



12.1724, 14.8502, 18.4445



12.7737, 14.8502, 21.4650

Triad

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



12.1724, 14.8502, 18.4445



15.8595, 14.8502, 20.4717



14.4792, 14.8502, 10.7700

Complementary

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



12.1724, 14.8502, 18.4445



11.1344, 9.6296, 8.2934

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.



15.5463, 14.8502, 11.8253



12.1724, 14.8502, 18.4445



16.3708, 14.8502, 17.2266

Square

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



12.1724, 14.8502, 18.4445



14.8882, 14.8502, 22.7396



16.2533, 14.8502, 14.0894



13.3684, 14.8502, 11.0049

Rectangle

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



12.1724, 14.8502, 18.4445



13.3986, 14.8502, 22.7806



16.2533, 14.8502, 14.0894



14.8558, 14.8502, 10.9796

Sweetspot

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



12.1728, 14.8508, 18.4448



26.5134, 29.2312, 33.2893



10.5537, 14.3844, 9.3596



6.2610, 6.9380, 7.9382



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



12.1728, 14.8508, 18.4448



20.5107, 25.8570, 32.9544



10.2807, 11.0666, 17.8141



3.7755, 4.1396, 4.6903



10.1563, 14.6523, 20.8354



49.3896, 71.1957, 101.4993

Inverse Universe

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



12.7617, 10.1679, 17.2102



21.7539, 16.0505, 30.3301



12.6510, 12.6628, 8.7989



3.8227, 3.7564, 4.5930



11.4236, 5.5031, 17.9705



55.6163, 26.7966, 87.2978

Previews

White Background



This preview shows how the XYZ color 12.1724, 14.8502, 18.4445 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 12.1724, 14.8502, 18.4445 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 12.1724, 14.8502, 18.4445

Background



This preview shows how black text looks on a background with the XYZ color 12.1724, 14.8502, 18.4445.



This preview shows how white text looks on a background with the XYZ color 12.1724, 14.8502,

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

12.1724, 14.8502, 18.4445

Protanopia

14.3113, 14.8512, 17.1512

Deuteranopia

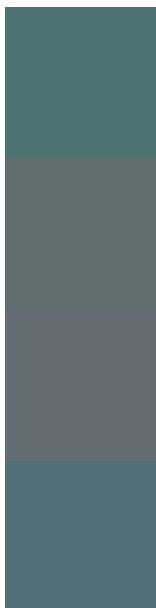
14.9713, 14.6957, 18.8771



Tritanopia

12.6424, 14.8777, 20.6177

Trichromacy



Original Color

12.1724, 14.8502, 18.4445

Protanomaly

13.4303, 14.8631, 17.4902

Deuteranomaly

13.7705, 14.6954, 18.6337

Tritanomaly

12.3768, 14.7619, 19.6498

Monochromacy



Original Color

12.1724, 14.8502, 18.4445

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.5276, 13.9566, 15.9435

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1724, 14.8502, 18.4445 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(77, 114, 115)` looks like.

```
.text, #text, p{  
    color:rgb(77, 114, 115)  
}
```

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(77, 114, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 114, 115) }
```

Border

The CSS property to change the border of an element to XYZ 12.1724, 14.8502, 18.4445 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(77, 114, 115) }
```


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

```
.border{ border-color:rgb(77, 114, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 114, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 114, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 114, 115);  
box-shadow:4px 4px 4px 4px rgb(77, 114,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1724, 14.8502, 18.4445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 114, 115) }
```

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

```
.background{ background-color: rgb(77, 114,  
115) }
```

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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