

Converting Colors

XYZ(17.8483, 24.5834, 12.7572)

Have a look what the booklet for
XYZ(17.8483, 24.5834, 12.7572)
contains.

XYZ(17.7475, 24.4391, 12.7987)	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(17.7475, 24.4391,
12.7987)**

Conversions

Conversions Part 1

Format	Color
Hex	679357
RGB	103, 147, 87
RGB Percent	40%, 58%, 34%
CMY	0.5961, 0.4235, 0.6588
CMYK	0.30, 0.00, 0.41, 0.42
HSL	104°, 26%, 46%
HSV	104°, 41%, 58%
XYZ	17.7475, 24.4391, 12.7987
YIQ	127.0040, -6.9640, -27.9880

Conversions

Conversions Part 2

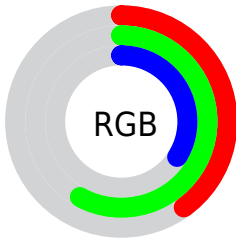
Format	Color
R_{YB}	87, 147, 131
Decimal	6787927
CIE _{Lab}	56.52, -26.82, 27.07
CIE _{LCh}	57, 38.110, 134.737
Yxy	24.4391, 0.3228, 0.4445
Android (android.graphics.Color)	4284978007 (0xFF679357)
YUV	127.0040, -19.7220, -21.0515
Hunter-Lab	49.4359, -22.4313, 19.2553

Details

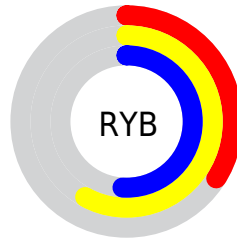
The XYZ color **17.7475, 24.4391, 12.7987** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **18.0359, 13.7491, 29.3083**, and the grayscale version is **20.2420, 21.2961, 23.1915**.

A 20% lighter version of the original color is **39.1844, 50.6762, 31.7610**, and **6.0341, 9.2758, 3.4799** is the 20% darker color. If you saturate the color by 10%, you get **16.0493, 23.6269, 9.8972**, and if you desaturate by 10%, it is **19.7287, 25.3846, 16.3530**.

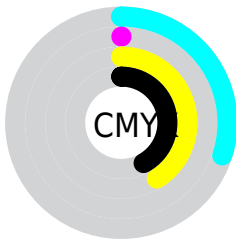
Distribution



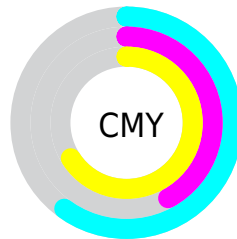
- Red (40%)
- Green (58%)
- Blue (34%)



- Red (34%)
- Yellow (58%)
- Blue (51%)



- Cyan (30%)
- Magenta (0%)
- Yellow (41%)
- Black (42%)



- Cyan (60%)
- Magenta (42%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.7475, 24.4391, 12.7987 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 17.7475, 24.4391, 12.7987 by changing the saturation by 10% instead.

■ 17.7475, 24.4391,
12.7987

■ 17.7475, 24.4391,
12.7987

232.5172,
275.0330, 220.7858

■ 10.8674, 15.6597,
7.1610

■ 39.1401, 50.7458,
31.6275

■ 6.0444, 9.2836,
3.4830

■ 54.3833, 69.0419,
45.6557

■ 2.9130, 4.9267,
1.3462

■ 73.1449, 91.2789,
63.3178

■ 1.1079, 2.2043,
0.0992

■ 95.7904, 117.8414,
85.0324

■ 0.0317, 0.7223,
0.0000

■ 122.6850,
149.1136, 111.2179

■ 0.0000, 0.0000,
0.0000

154.1941,

185.4800, 142.2930

190.6830,
227.3250, 178.6761

■ 17.7475, 24.4391,
12.7987

■ 17.7475, 24.4391,
12.7987

■ 16.0493, 23.6269,
9.8972

■ 19.7287, 25.3846,
16.3530

■ 14.6189, 22.9386,
7.6071

■ 22.0037, 26.4658,
20.5947

■ 13.4419, 22.3688,
5.8851


■ 24.5848, 27.6893,
25.5581


■ 12.5023, 21.9101,
4.6814


■ 27.4832, 29.0599,
31.2745


■ 11.7814, 21.5542,
3.9373


■ 30.7094, 30.5826,
37.7736

 11.2783, 21.3036,
3.5176

 34.2735, 32.2619,
45.0832

 38.1851, 34.1021,
53.2301

 42.4534, 36.1075,
62.2395

 47.0872, 38.2821,
72.1358

Harmonies

Analogous

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



21.1339, 24.4391, 9.3341



17.7475, 24.4391, 12.7987



15.9590, 24.4391, 20.7051

Triad

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



17.7475, 24.4391, 12.7987



21.0632, 24.4391, 57.6600



32.4514, 24.4391, 20.8883

Complementary

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



17.7475, 24.4391, 12.7987



18.0359, 13.7491, 29.3083

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.



32.4261, 24.4391, 33.5427



17.7475, 24.4391, 12.7987



25.4574, 24.4391, 57.7570

Square

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



17.7475, 24.4391, 12.7987



17.7014, 24.4391, 47.6713



29.7359, 24.4391, 47.9048



29.8011, 24.4391, 12.8960

Rectangle

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



17.7475, 24.4391, 12.7987



15.7491, 24.4391, 28.6702



29.7359, 24.4391, 47.9048



32.7654, 24.4391, 24.6510

Sweetspot

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



17.7481, 24.4401, 12.7992



43.3303, 49.2560, 44.4161



21.8703, 23.1249, 12.3281



9.7656, 11.1845, 9.8955



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



17.7481, 24.4401, 12.7992



28.9686, 42.4198, 18.1021



16.7139, 23.8344, 16.0321



5.8661, 6.5388, 6.1934



9.7982, 18.4790, 3.0504



0.1448, 0.2390, 0.0385

Inverse Universe

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



18.0359, 13.7491, 29.3083



29.5372, 20.5572, 51.8457



19.6754, 14.7136, 23.9944



5.8860, 5.8322, 7.2852



9.9309, 4.5921, 24.2940



0.1495, 0.0706, 0.2987

Previews

White Background



This preview shows how the XYZ color 17.7475, 24.4391, 12.7987 looks on a white 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

Black Background



This preview shows how the XYZ color 17.7475, 24.4391, 12.7987 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

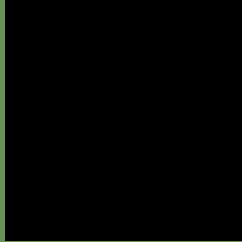
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 17.7475, 24.4391, 12.7987

Background



This preview shows how black text looks on a background with the XYZ color 17.7475, 24.4391, 12.7987.



This preview shows how white text looks on a background with the XYZ color 17.7475, 24.4391,

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

17.7475, 24.4391, 12.7987

Protanopia

22.3997, 24.2330, 11.4795

Deuteranopia

24.6389, 24.1372, 13.2579



Tritanopia

21.7580, 24.2770, 32.8173

Trichromacy



Original Color

17.7475, 24.4391, 12.7987

Protanomaly

20.3486, 24.0109, 11.9496

Deuteranomaly

21.6341, 24.0092, 13.1669

Tritanomaly

19.9997, 24.2195, 24.0428

Monochromacy



Original Color

17.7475, 24.4391, 12.7987

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

18.9209, 22.0716, 18.5922

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.7475, 24.4391, 12.7987 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(103, 147, 87)` looks like.

```
.text, #text, p{  
    color:rgb(103, 147, 87)  
}
```

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(103, 147, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 147, 87) }
```

Border

The CSS property to change the border of an element to XYZ 17.7475, 24.4391, 12.7987 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(103, 147, 87) }
```


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

```
.border{ border-color:rgb(103, 147, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 147, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 147, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 147, 87);  
box-shadow:4px 4px 4px 4px rgb(103, 147,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 17.7475, 24.4391, 12.7987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 147, 87) }
```

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

```
.background{ background-color: rgb(103,  
147, 87) }
```

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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