

Converting Colors

XYZ(12.7723, 17.6282, 4.1683)

Have a look what the booklet for
XYZ(12.7723, 17.6282, 4.1683)
contains.

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Color

**XYZ(12.7724, 17.6282,
4.1682)**

Conversions

Conversions Part 1

Format	Color
Hex	627E21
RGB	98, 126, 33
RGB Percent	38%, 49%, 13%
CMY	0.6157, 0.5059, 0.8706
CMYK	0.22, 0.00, 0.74, 0.51
HSL	78°, 58%, 31%
HSV	78°, 74%, 49%
XYZ	12.7724, 17.6282, 4.1682
YIQ	107.0260, 13.1650, -34.8590

Conversions

Conversions Part 2

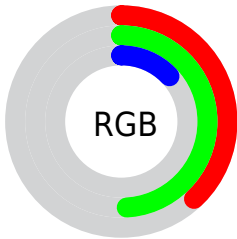
Format	Color
R_{YB}	33, 126, 61
Decimal	6454817
CIE _{Lab}	49.04, -24.25, 44.74
CIE _{LCh}	49, 50.886, 118.461
Yxy	17.6282, 0.3695, 0.5099
Android (android.graphics.Color)	4284644897 (0xFF627E21)
YUV	107.0260, -36.4948, -7.9158
Hunter-Lab	41.9860, -19.1745, 23.5041

Details

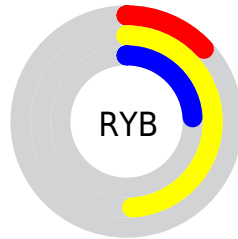
The XYZ color **12.7724, 17.6282, 4.1682** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **6.2348, 3.5866, 20.1034**, and the grayscale version is **14.0783, 14.8115, 16.1297**.

A 20% lighter version of the original color is **30.4828, 39.4596, 14.3974**, and **3.8262, 5.9121, 0.9395** is the 20% darker color. If you saturate the color by 10%, you get **12.2284, 17.3650, 3.3880**, and if you desaturate by 10%, it is **13.4028, 17.9294, 5.2982**.

Distribution



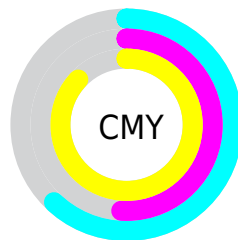
- Red (38%)
- Green (49%)
- Blue (13%)



- Red (13%)
- Yellow (49%)
- Blue (24%)



- Cyan (22%)
- Magenta (0%)
- Yellow (74%)
- Black (51%)



- Cyan (62%)
- Magenta (51%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7724, 17.6282, 4.1682 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 12.7724, 17.6282, 4.1682 by changing the saturation by 10% instead.

■ 12.7724, 17.6282,
4.1682

■ 12.7724, 17.6282,
4.1682

203.1210,
238.7670, 150.0770

■ 7.3479, 10.6834,
1.7181

■ 30.4991, 39.4028,
14.3959

■ 3.7289, 5.8544,
0.3731

■ 43.5320, 55.0013,
23.0105

■ 1.5499, 2.7567,
0.0000

■ 59.8318, 74.2532,
34.5170

■ 0.3594, 1.0061,
0.0000

■ 79.7638, 97.5429,
49.3339

■ 0.0000, 0.0000,
0.0000

■ 103.6934,
125.2547, 67.8798

■ 131.9858,

157.7730, 90.5733

165.0066,
195.4823, 117.8328

■ 12.7724, 17.6282,
4.1682

■ 12.7724, 17.6282,
4.1682

■ 12.2284, 17.3650,
3.3880

■ 13.4028, 17.9294,
5.2982

■ 11.7606, 17.1340,
2.9114

■ 14.1252, 18.2690,
6.8120

■ 11.4917, 17.0003,
2.6757

■ 14.9461, 18.6504,
8.7404

■ 15.8710, 19.0757,
11.1111

■ 16.9049, 19.5469,
13.9493

■ 18.0525, 20.0661,
17.2783

■ 19.3181, 20.6348,
21.1198

■ 20.7059, 21.2548,
25.4943

■ 22.2198, 21.9278,
30.4211

Harmonies

Analogous

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



17.0013, 17.6282, 3.1310



12.7724, 17.6282, 4.1682



10.1201, 17.6282, 8.5140

Triad

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



12.7724, 17.6282, 4.1682



12.4215, 17.6282, 51.1863



27.6302, 17.6282, 19.9044

Complementary

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



12.7724, 17.6282, 4.1682



6.2348, 3.5866, 20.1034

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.



25.7958, 17.6282, 36.3624



12.7724, 17.6282, 4.1682



16.5112, 17.6282, 58.9533

Square

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



12.7724, 17.6282, 4.1682



9.9460, 17.6282, 34.5331



21.4899, 17.6282, 52.5477



26.1239, 17.6282, 9.2406

Rectangle

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



12.7724, 17.6282, 4.1682



9.3114, 17.6282, 14.4275



21.4899, 17.6282, 52.5477



27.3782, 17.6282, 24.9096

Sweetspot

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



12.7728, 17.6290, 4.1686



30.0047, 34.5185, 25.2613



10.5427, 7.8728, 2.4030



6.7313, 7.8092, 5.4809



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



12.7728, 17.6290, 4.1686



20.9133, 30.2639, 5.3095



9.1316, 15.7519, 3.9982



4.5432, 4.9565, 4.6374



11.7844, 17.4375, 2.7447



0.0000, 0.0000, 0.0000

Inverse Universe

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



6.2348, 3.5866, 20.1034



8.8114, 4.0966, 35.0707



10.4220, 5.7451, 20.2993



4.2212, 4.2696, 5.4149



4.6773, 1.9649, 20.3827



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.7724, 17.6282, 4.1682 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 12.7724, 17.6282, 4.1682 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

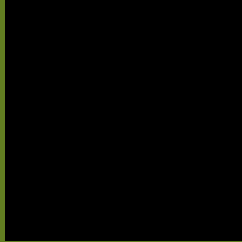
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 12.7724, 17.6282, 4.1682

Background



This preview shows how black text looks on a background with the XYZ color 12.7724, 17.6282, 4.1682.



This preview shows how white text looks on a background with the XYZ color 12.7724, 17.6282,

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

12.7724, 17.6282, 4.1682

Protanopia

15.9687, 17.6468, 3.8609

Deuteranopia

17.6192, 17.3181, 4.3335



Tritanopia

16.4935, 17.6773, 22.6214

Trichromacy



Original Color

12.7724, 17.6282, 4.1682

Protanomaly

14.5849, 17.4592, 3.9677

Deuteranomaly

15.4814, 17.2135, 4.2569

Tritanomaly

14.5221, 17.4081, 12.9506

Monochromacy



Original Color

12.7724, 17.6282, 4.1682

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.1742, 15.5569, 9.8978

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7724, 17.6282, 4.1682 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(98, 126, 33)` looks like.

```
.text, #text, p{  
    color:rgb(98, 126, 33)  
}
```

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(98, 126, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 126, 33) }
```

Border

The CSS property to change the border of an element to XYZ 12.7724, 17.6282, 4.1682 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(98, 126, 33) }
```


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

```
.border{ border-color:rgb(98, 126, 33) }
```

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

Here you see how a box with a 4 pixel rgb(98, 126, 33) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 126, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 126, 33);  
box-shadow:4px 4px 4px 4px rgb(98, 126,  
33) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7724, 17.6282, 4.1682 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 126, 33) }
```

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

```
.background{ background-color: rgb(98, 126,  
33) }
```

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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