

Converting Colors

XYZ(12.6402, 14.6425, 6.4778)

Have a look what the booklet for
XYZ(12.6402, 14.6425, 6.4778)
contains.

XYZ(12.6982, 14.7293, 6.4487)	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(12.6982, 14.7293,
6.4487)**

Conversions

Conversions Part 1

Format	Color
Hex	6D6E3C
RGB	109, 110, 60
RGB Percent	43%, 43%, 24%
CMY	0.5725, 0.5686, 0.7647
CMYK	0.01, 0.00, 0.45, 0.57
HSL	61°, 29%, 33%
HSV	61°, 45%, 43%
XYZ	12.6982, 14.7293, 6.4487
YIQ	104.0010, 15.4540, -15.7620

Conversions

Conversions Part 2

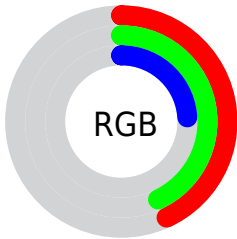
Format	Color
R_{YB}	60, 110, 61
Decimal	7171644
CIE Lab	45.26, -8.45, 27.66
CIE LCh	45, 28.926, 106.987
Yxy	14.7293, 0.3748, 0.4348
Android (android.graphics.Color)	4285361724 (0xFF6D6E3C)
YUV	104.0010, -21.6925, 4.3841
Hunter-Lab	38.3788, -8.1034, 16.9028

Details

The XYZ color **12.6982, 14.7293, 6.4487** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **6.3553, 5.3499, 15.4504**, and the grayscale version is **13.2120, 13.9001, 15.1372**.

A 20% lighter version of the original color is **30.3519, 34.2538, 19.1993**, and **3.7272, 4.5502, 1.1338** is the 20% darker color. If you saturate the color by 10%, you get **12.4102, 14.6115, 5.0720**, and if you desaturate by 10%, it is **13.0475, 14.8727, 8.1445**.

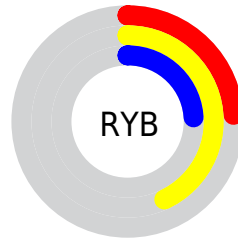
Distribution



Red (43%)

Green (43%)

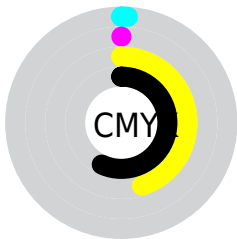
Blue (24%)



Red (24%)

Yellow (43%)

Blue (24%)

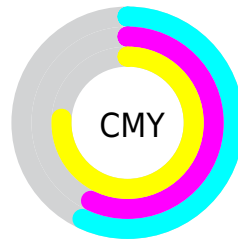


Cyan (1%)

Magenta (0%)

Yellow (45%)

Black (57%)



Cyan (57%)

Magenta (57%)

Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6982, 14.7293, 6.4487 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 12.6982, 14.7293, 6.4487 by changing the saturation by 10% instead.

12.6982, 14.7293,
6.4487

12.6982, 14.7293,
6.4487

202.6512,
221.7218, 172.4541

7.2966, 8.6296,
3.0466

30.3665, 34.3776,
19.3489

3.6963, 4.5004,
1.1185

43.3639, 48.6950,
29.6840

1.5318, 1.9572,
0.0000

59.6239, 66.5204,
43.1673

0.3473, 0.5824,
0.0000

79.5119, 88.2383,
60.2172

0.0000, 0.0000,
0.0000

103.3933,
114.2330, 81.2523

131.6335,

144.8888, 106.6911

164.5976,
180.5903, 136.9522

■ 12.6982, 14.7293,
6.4487

■ 12.6982, 14.7293,
6.4487

■ 12.4102, 14.6115,
5.0720

■ 13.0475, 14.8727,
8.1445

■ 12.1786, 14.5157,
3.9937

■ 13.4604, 15.0410,
10.1768

■ 11.9996, 14.4410,
3.1919

■ 13.9406, 15.2362,
12.5625

■ 11.8684, 14.3854,
2.6413

■ 14.4909, 15.4595,
15.3176

■ 11.7754, 14.3451,
2.2918

■ 15.1142, 15.7120,
18.4566

■ 11.7358, 14.3279,
2.1470

■ 15.8131, 15.9948,
21.9935

■ 16.5902, 16.3088,
25.9416

■ 17.4479, 16.6550,
30.3136

■ 18.3884, 17.0345,
35.1214

Harmonies

Analogous

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



15.0615, 14.7293, 6.3207



12.6982, 14.7293, 6.4487



10.8980, 14.7293, 8.6240

Triad

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



12.6982, 14.7293, 6.4487



11.0900, 14.7293, 27.7300



18.9778, 14.7293, 19.1913

Complementary

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



12.6982, 14.7293, 6.4487



6.3553, 5.3499, 15.4504

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.



17.6404, 14.7293, 26.8097



12.6982, 14.7293, 6.4487



12.9891, 14.7293, 32.6055

Square

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



12.6982, 14.7293, 6.4487



10.0446, 14.7293, 20.2033



15.3873, 14.7293, 32.2275



18.8768, 14.7293, 12.4880

Rectangle

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



12.6982, 14.7293, 6.4487



10.1778, 14.7293, 11.4184



15.3873, 14.7293, 32.2275



18.6756, 14.7293, 21.7600

Sweetspot

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



12.6986, 14.7300, 6.4490



24.5795, 26.7963, 22.5527



8.9063, 6.9613, 5.1494



5.6850, 6.2215, 5.0746



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



12.6986, 14.7300, 6.4490



21.7480, 25.6405, 8.6922



10.0632, 13.3714, 6.3257



3.6356, 3.9130, 3.6370



14.0946, 17.2097, 2.5789



70.1191, 85.6817, 12.8426

Inverse Universe

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



6.3553, 5.3499, 15.4504



9.0266, 6.8258, 26.7490



8.2532, 6.3283, 15.5392



3.2232, 3.3034, 4.2219



3.4112, 1.3679, 17.8059



16.9047, 6.7691, 88.6947

Previews

White Background



This preview shows how the XYZ color 12.6982, 14.7293, 6.4487 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 12.6982, 14.7293, 6.4487 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 12.6982, 14.7293, 6.4487

Background



This preview shows how black text looks on a background with the XYZ color 12.6982, 14.7293, 6.4487.



This preview shows how white text looks on a background with the XYZ color 12.6982, 14.7293,

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

12.6982, 14.7293, 6.4487

Protanopia

13.5183, 14.6827, 6.2592

Deuteranopia

14.8268, 14.5964, 6.5934



Tritanopia

14.9452, 14.7153, 17.3819

Trichromacy



Original Color

12.6982, 14.7293, 6.4487

Protanomaly

13.2222, 14.6857, 6.2754

Deuteranomaly

13.9199, 14.5776, 6.4950

Tritanomaly

13.9399, 14.6091, 12.4411

Monochromacy



Original Color

12.6982, 14.7293, 6.4487

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

12.8593, 14.0768, 11.2719

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6982, 14.7293, 6.4487 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(109, 110, 60)` looks like.

```
.text, #text, p{  
    color:rgb(109, 110, 60)  
}
```

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(109, 110, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 110, 60) }
```

Border

The CSS property to change the border of an element to XYZ 12.6982, 14.7293, 6.4487 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(109, 110, 60) }
```


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

```
.border{ border-color:rgb(109, 110, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 110, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 110, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 110, 60);  
box-shadow:4px 4px 4px 4px rgb(109, 110,  
60) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6982, 14.7293, 6.4487 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 110, 60) }
```

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

```
.background{ background-color: rgb(109,  
110, 60) }
```

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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