

Converting Colors

XYZ(14.6218, 16.2818, 12.0131)

Have a look what the booklet for
XYZ(14.6218, 16.2818, 12.0131)
contains.

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Color

**XYZ(14.6728, 16.2835,
12.0426)**

Conversions

Conversions Part 1

Format	Color
Hex	71725A
RGB	113, 114, 90
RGB Percent	44%, 45%, 35%
CMY	0.5569, 0.5529, 0.6471
CMYK	0.01, 0.00, 0.21, 0.55
HSL	63°, 12%, 40%
HSV	63°, 21%, 45%
XYZ	14.6728, 16.2835, 12.0426
YIQ	110.9650, 7.1080, -7.6760

Conversions

Conversions Part 2

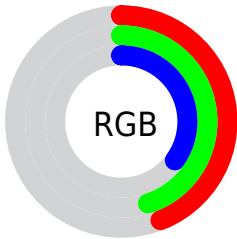
Format	Color
R _Y B	90, 114, 91
Decimal	7434842
CIE Lab	47.34, -4.81, 13.21
CIE LCh	47, 14.061, 110.018
Yxy	16.2835, 0.3412, 0.3787
Android (android.graphics.Color)	4285624922 (0xFF71725A)
YUV	110.9650, -10.3357, 1.7847
Hunter-Lab	40.3528, -5.7126, 10.5529

Details

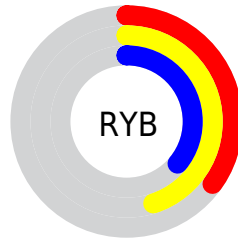
The XYZ color **14.6728, 16.2835, 12.0426** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.0085, 10.7519, 17.4156**, and the grayscale version is **15.1272, 15.9150, 17.3314**.

A 20% lighter version of the original color is **33.8869, 37.1652, 30.1985**, and **4.5828, 5.2021, 3.1454** is the 20% darker color. If you saturate the color by 10%, you get **14.1634, 16.0732, 9.6772**, and if you desaturate by 10%, it is **15.2579, 16.5252, 14.8008**.

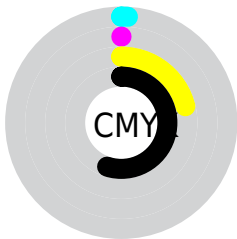
Distribution



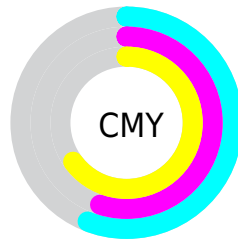
- Red (44%)
- Green (45%)
- Blue (35%)



- Red (35%)
- Yellow (45%)
- Blue (36%)



- Cyan (1%)
- Magenta (0%)
- Yellow (21%)
- Black (55%)



- Cyan (56%)
- Magenta (55%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.6728, 16.2835, 12.0426 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 14.6728, 16.2835, 12.0426 by changing the saturation by 10% instead.

■ 14.6728, 16.2835,
12.0426

■ 14.6728, 16.2835,
12.0426

214.8050,
231.0088, 215.6750

■ 8.6749, 9.7250,
6.6498

■ 33.8545, 37.0897,
30.2382

■ 4.5851, 5.2170,
3.1690

■ 47.7691, 52.1061,
43.8781

■ 2.0382, 2.3751,
1.1815

■ 65.0532, 70.7107,
61.1042

■ 0.6553, 0.8131,
0.0000

■ 86.0722, 93.2877,
82.3349

■ 0.0000, 0.0000,
0.0000

■ 111.1916,
120.2217, 107.9887

140.7766,

151.8969, 138.4844

175.1926,
188.6978, 174.2403

■ 14.6728, 16.2835,
12.0426

■ 14.6728, 16.2835,
12.0426

■ 14.1634, 16.0732,
9.6772

■ 15.2579, 16.5252,
14.8008

■ 13.7249, 15.8908,
7.6857

■ 15.9204, 16.7973,
17.9675

■ 13.3542, 15.7355,
6.0493

■ 16.6639, 17.1019,
21.5586

■ 13.0473, 15.6058,
4.7471

■ 17.4912, 17.4400,
25.5891

■ 12.7998, 15.4999,
3.7560

■ 18.4049, 17.8128,
30.0731

■ 12.6067, 15.4158,
3.0501

■ 19.4076, 18.2211,
35.0241

■ 12.4624, 15.3512,
2.5991

■ 20.5018, 18.6661,
40.4551

■ 12.3538, 15.3017,
2.3024

■ 21.6898, 19.1487,
46.3786

■ 22.9739, 19.6697,
52.8065

Harmonies

Analogous

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



15.8952, 16.2835, 11.8046



14.6728, 16.2835, 12.0426



13.7161, 16.2835, 13.6837

Triad

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



14.6728, 16.2835, 12.0426



13.9908, 16.2835, 23.5119



17.9534, 16.2835, 18.9437

Complementary

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



14.6728, 16.2835, 12.0426



11.0085, 10.7519, 17.4156

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.



17.3824, 16.2835, 22.5042



14.6728, 16.2835, 12.0426



15.0662, 16.2835, 25.3657

Square

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



14.6728, 16.2835, 12.0426



13.3373, 16.2835, 20.1790



16.3100, 16.2835, 24.9740



17.8341, 16.2835, 15.4876

Rectangle

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



14.6728, 16.2835, 12.0426



13.3368, 16.2835, 15.4913



16.3100, 16.2835, 24.9740



17.8347, 16.2835, 20.1746

Sweetspot

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



14.6732, 16.2842, 12.0429



27.3641, 29.2654, 28.6426



12.5095, 11.7641, 11.2845



6.3162, 6.7630, 6.5659



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



14.6732, 16.2842, 12.0429



25.3566, 28.4381, 19.1699



13.2526, 15.5519, 11.9765



3.6288, 3.9095, 3.6367



13.7479, 17.0310, 2.5627



68.2978, 84.7428, 12.7573

Inverse Universe

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



11.0085, 10.7519, 17.4156



17.7557, 16.9631, 30.3139



12.2646, 11.3994, 17.4744



3.2293, 3.3065, 4.2222



3.4438, 1.3847, 17.8074



16.9720, 6.8037, 88.6979

Previews

White Background



This preview shows how the XYZ color 14.6728, 16.2835, 12.0426 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 14.6728, 16.2835, 12.0426 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

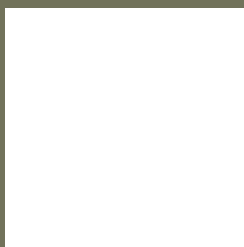
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 14.6728, 16.2835, 12.0426

Background



This preview shows how black text looks on a background with the XYZ color 14.6728, 16.2835, 12.0426.



This preview shows how white text looks on a background with the XYZ color 14.6728, 16.2835,

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

14.6728, 16.2835, 12.0426

Protanopia

15.2051, 16.2315, 11.7828

Deuteranopia

16.4568, 16.2263, 12.1621



Tritanopia

16.2418, 16.2657, 19.7363

Trichromacy



Original Color

14.6728, 16.2835, 12.0426

Protanomaly

15.0444, 16.3134, 11.8071

Deuteranomaly

15.7764, 16.1923, 12.1914

Tritanomaly

15.5937, 16.1646, 16.4856

Monochromacy



Original Color

14.6728, 16.2835, 12.0426

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

14.9244, 16.0124, 15.1361

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.6728, 16.2835, 12.0426 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(113, 114, 90)` looks like.

```
.text, #text, p{  
    color:rgb(113, 114, 90)  
}
```

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(113, 114, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 114, 90) }
```

Border

The CSS property to change the border of an element to XYZ 14.6728, 16.2835, 12.0426 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(113, 114, 90) }
```


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

```
.border{ border-color:rgb(113, 114, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 114, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 114, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 114, 90);  
box-shadow:4px 4px 4px 4px rgb(113, 114,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 14.6728, 16.2835, 12.0426 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 114, 90) }
```

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

```
.background{ background-color: rgb(113,  
114, 90) }
```

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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