

Converting Colors

XYZ(12.1748, 11.3171, 17.3922)

Have a look what the booklet for
XYZ(12.1748, 11.3171, 17.3922)
contains.

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Color

**XYZ(12.1729, 11.3520,
17.4692)**

Conversions

Conversions Part 1

Format	Color
Hex	665A72
RGB	102, 90, 114
RGB Percent	40%, 35%, 45%
CMY	0.6000, 0.6470, 0.5529
CMYK	0.11, 0.21, 0.00, 0.55
HSL	270°, 12%, 40%
HSV	270°, 21%, 45%
XYZ	12.1729, 11.3520, 17.4692
YIQ	96.3240, -0.5520, 10.0080

Conversions

Conversions Part 2

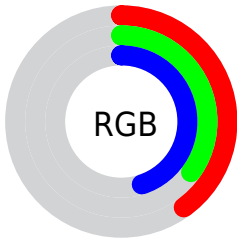
Format	Color
R _Y B	102, 90, 114
Decimal	6707826
CIE Lab	40.17, 9.93, -11.84
CIE LCh	40, 15.451, 310.001
Yxy	11.3520, 0.2969, 0.2769
Android (android.graphics.Color)	4284897906 (0xFF665A72)
YUV	96.3240, 8.7143, 4.9779
Hunter-Lab	33.6927, 5.5283, -7.1561

Details

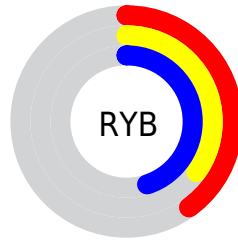
The XYZ color **12.1729, 11.3520, 17.4692** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.3427, 15.5979, 11.9809**, and the grayscale version is **11.1768, 11.7588, 12.8054**.

A 20% lighter version of the original color is **29.3979, 28.2816, 39.9859**, and **3.4596, 3.0069, 5.5523** is the 20% darker color. If you saturate the color by 10%, you get **10.6602, 9.2528, 17.1439**, and if you desaturate by 10%, it is **13.8782, 13.7701, 17.8462**.

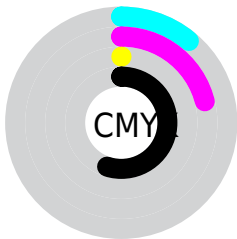
Distribution



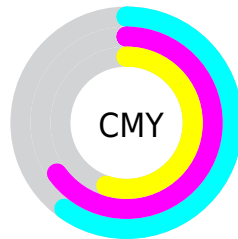
- Red (40%)
- Green (35%)
- Blue (45%)



- Red (40%)
- Yellow (35%)
- Blue (45%)



- Cyan (11%)
- Magenta (21%)
- Yellow (0%)
- Black (55%)



- Cyan (60%)
- Magenta (65%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.1729, 11.3520, 17.4692 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 12.1729, 11.3520, 17.4692 by changing the saturation by 10% instead.

■ 12.1729, 11.3520,
17.4692

■ 12.1729, 11.3520,
17.4692

199.2932,
200.0668, 249.9968

■ 6.9346, 6.3041,
10.4041

■ 29.4237, 28.3093,
39.9324

■ 3.4672, 3.0309,
5.5586

■ 42.1670, 40.9874,
56.1676

■ 1.4054, 1.1479,
2.5142

■ 58.1426, 56.9778,
76.2965

■ 0.2600, 0.0185,
0.8477

■ 77.7159, 76.6648,
100.7378

■ 0.0000, 0.0000,
0.0000

■ 101.2522,
100.4328, 129.9099

129.1170,

128.6662, 164.2314

161.6755,
161.7494, 204.1208

■ 12.1729, 11.3520,
17.4692

■ 12.1729, 11.3520,
17.4692

■ 10.6602, 9.2528,
17.1439

■ 13.8782, 13.7701,
17.8462

■ 9.3316, 7.4572,
16.8674

■ 15.7823, 16.5186,
18.2764

■ 8.1791, 5.9507,
16.6373

■ 17.8921, 19.6102,
18.7619

■ 7.1941, 4.7172,
16.4511

■ 20.2142, 23.0566,
19.3048

■ 6.3668, 3.7388,
16.3059

■ 22.7547, 26.8689,
19.9067

■ 5.6865, 2.9954,
16.1983

■ 25.5193, 31.0575,
20.5695

■ 5.1408, 2.4637,
16.1244

■ 28.5139, 35.6328,
21.2948

■ 4.7245, 2.0847,
16.0732

■ 31.7437, 40.6043,
22.0841

■ 35.2140, 45.9815,
22.9391

Harmonies

Analogous

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



11.1525, 11.3520, 19.1505



12.1729, 11.3520, 17.4692



12.8498, 11.3520, 14.4963

Triad

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



12.1729, 11.3520, 17.4692



11.5118, 11.3520, 7.5926



8.8804, 11.3520, 13.4166

Complementary

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



12.1729, 11.3520, 17.4692



13.3427, 15.5979, 11.9809

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.



8.9625, 11.3520, 10.4453



12.1729, 11.3520, 17.4692



10.4349, 11.3520, 7.4014

Square

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



12.1729, 11.3520, 17.4692



12.4509, 11.3520, 8.9340



9.5155, 11.3520, 8.3595



9.2833, 11.3520, 16.5669

Rectangle

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



12.1729, 11.3520, 17.4692



12.9903, 11.3520, 12.3603



9.5155, 11.3520, 8.3595



8.8529, 11.3520, 12.3605

Sweetspot

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



12.1733, 11.3525, 17.4695



25.9817, 26.4887, 31.7189



12.0449, 12.9706, 17.7885



5.9737, 6.0755, 7.3276



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.



12.1733, 11.3525, 17.4695



20.1295, 18.1869, 30.4250



13.5813, 12.0783, 17.5353



3.3617, 3.3747, 4.2284



5.2398, 2.3106, 17.8914



25.1068, 10.9974, 89.0786

Inverse Universe

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



12.9943, 11.8495, 14.1733



21.8609, 19.2351, 23.4739



12.1187, 14.9669, 11.9236



3.4476, 3.4267, 3.8836



8.5387, 4.3078, 4.6465



42.0993, 21.2851, 20.8531

Previews

White Background



This preview shows how the XYZ color 12.1729, 11.3520, 17.4692 looks on a white background.

Color Contrast Check

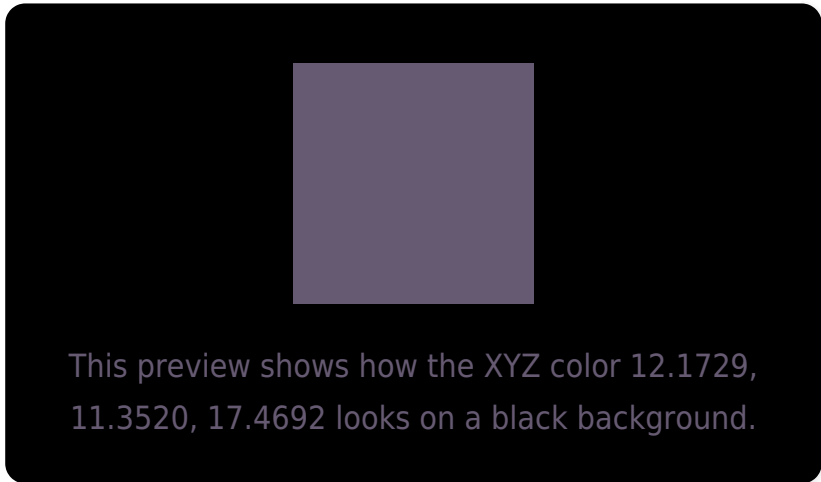
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

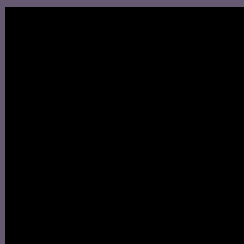
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.1729, 11.3520, 17.4692

Background



This preview shows how black text looks on a background with the XYZ color 12.1729, 11.3520, 17.4692.



This preview shows how white text looks on a background with the XYZ color 12.1729, 11.3520,

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

12.1729, 11.3520, 17.4692

Protanopia

11.3334, 11.4136, 18.4353

Deuteranopia

11.6143, 11.4539, 17.2215



Tritanopia

11.4701, 11.4581, 13.6637

Trichromacy



Original Color

12.1729, 11.3520, 17.4692

Protanomaly

11.6828, 11.4693, 18.1210

Deuteranomaly

11.8448, 11.4432, 17.2073

Tritanomaly

11.7438, 11.4409, 14.9540

Monochromacy



Original Color

12.1729, 11.3520, 17.4692

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

11.4879, 11.5814, 14.4619

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1729, 11.3520, 17.4692 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(102, 90, 114)` looks like.

```
.text, #text, p{  
    color:rgb(102, 90, 114)  
}
```

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(102, 90, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 90, 114) }
```

Border

The CSS property to change the border of an element to XYZ 12.1729, 11.3520, 17.4692 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(102, 90, 114) }
```


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

```
.border{ border-color:rgb(102, 90, 114) }
```

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

Here you see how a box with a 4 pixel rgb(102, 90, 114) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 90, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 90, 114);  
box-shadow:4px 4px 4px 4px rgb(102, 90,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1729, 11.3520, 17.4692 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 90, 114) }
```

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

```
.background{ background-color: rgb(102, 90,  
114) }
```

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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