

Converting Colors

XYZ(12.8076, 13.2104, 13.7713)

Have a look what the booklet for
XYZ(12.8076, 13.2104, 13.7713)
contains.

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Color

**XYZ(12.8497, 13.2724,
13.6890)**

Conversions

Conversions Part 1

Format	Color
Hex	6A6563
RGB	106, 101, 99
RGB Percent	42%, 40%, 39%
CMY	0.5843, 0.6039, 0.6118
CMYK	0.00, 0.05, 0.07, 0.58
HSL	17°, 3%, 40%
HSV	17°, 7%, 42%
XYZ	12.8497, 13.2724, 13.6890
YIQ	102.2670, 3.6220, 0.4380

Conversions

Conversions Part 2

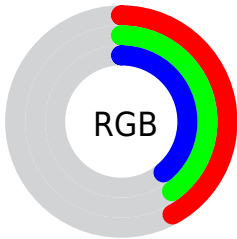
Format	Color
R_{YB}	106, 102, 99
Decimal	6972771
CIE Lab	43.17, 1.57, 1.83
CIE LCh	43, 2.410, 49.285
Yxy	13.2724, 0.3228, 0.3334
Android (android.graphics.Color)	4285162851 (0xFF6A6563)
YUV	102.2670, -1.6106, 3.2738
Hunter-Lab	36.4313, -0.7960, 3.2238

Details

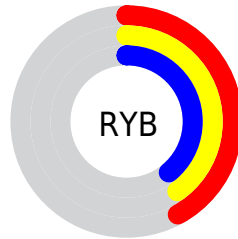
The XYZ color **12.8497, 13.2724, 13.6890** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.6975, 13.5938, 15.5905**, and the grayscale version is **12.7029, 13.3645, 14.5539**.

A 20% lighter version of the original color is **30.6379, 31.8266, 33.3825**, and **3.7654, 3.8252, 3.9080** is the 20% darker color. If you saturate the color by 10%, you get **11.6746, 11.6806, 10.9591**, and if you desaturate by 10%, it is **14.1598, 15.0274, 16.7925**.

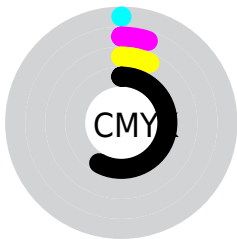
Distribution



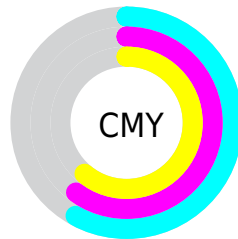
- Red (42%)
- Green (40%)
- Blue (39%)



- Red (42%)
- Yellow (40%)
- Blue (39%)



- Cyan (0%)
- Magenta (5%)
- Yellow (7%)
- Black (58%)



- Cyan (58%)
- Magenta (60%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8497, 13.2724, 13.6890 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 12.8497, 13.2724, 13.6890 by changing the saturation by 10% instead.

■ 12.8497, 13.2724,
13.6890

■ 12.8497, 13.2724,
13.6890

203.6093,
212.6561, 226.6482

■ 7.4014, 7.6164,
7.7684

■ 30.6371, 31.7923,
33.2453

■ 3.7629, 3.8505,
3.8615

■ 43.7070, 45.4250,
47.7181

■ 1.5689, 1.5903,
1.5497

■ 60.0480, 62.4853,
65.8788

■ 0.3720, 0.3510,
0.2545

■ 80.0257, 83.3578,
88.1458

■ 0.0000, 0.0000,
0.0000

104.0053,
108.4267, 114.9377

132.3522,

138.0764, 146.6730

165.4317,
172.6915, 183.7703

■ 12.8497, 13.2724,
13.6890

■ 12.8497, 13.2724,
13.6890

■ 11.6746, 11.6806,
10.9591

■ 14.1598, 15.0274,
16.7925

■ 10.6290, 10.2455,
8.5877

■ 15.6079, 16.9483,
20.2821

■ 9.7086, 8.9629,
6.5601

■ 17.1984, 19.0400,
24.1708

■ 8.9085, 7.8276,
4.8602

■ 18.9352, 21.3065,
28.4707

■ 8.2234, 6.8341,
3.4705

■ 20.8219, 23.7520,
33.1935

■ 7.6477, 5.9768,
2.3720

■ 22.8621, 26.3802,
38.3503

■ 7.1751, 5.2492,
1.5435

■ 25.0592, 29.1950,
43.9519

■ 6.7987, 4.6448,
0.9608

■ 27.4165, 32.1998,
50.0086

■ 6.5043, 4.1534,
0.5623

■ 29.9373, 35.3984,
56.5305

Harmonies

Analogous

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



12.9555, 13.2724, 14.1158



12.8497, 13.2724, 13.6890



12.6816, 13.2724, 13.4684

Triad

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



12.8497, 13.2724, 13.6890



12.2669, 13.2724, 14.2618



12.7335, 13.2724, 15.4397

Complementary

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



12.8497, 13.2724, 13.6890



12.6975, 13.5938, 15.5905

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.



12.5487, 13.2724, 15.4811



12.8497, 13.2724, 13.6890



12.2805, 13.2724, 14.7922

Square

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



12.8497, 13.2724, 13.6890



12.3459, 13.2724, 13.7936



12.3832, 13.2724, 15.2416



12.8880, 13.2724, 15.1297

Rectangle

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



12.8497, 13.2724, 13.6890



12.5574, 13.2724, 13.4641



12.3832, 13.2724, 15.2416



12.6728, 13.2724, 15.4858

Sweetspot

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



12.8501, 13.2730, 13.6893



23.5677, 24.6588, 26.4192



12.9055, 12.9879, 14.9281



5.5301, 5.7888, 6.2108



52.6788, 55.4222, 60.3547



5.6320, 5.9254, 6.4527

Same Dimension

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



12.8501, 13.2730, 13.6893



22.2025, 22.8230, 23.2060



13.1953, 13.9635, 13.8044



3.1638, 3.2448, 3.2770



7.9356, 4.9209, 0.5316



39.7770, 23.7577, 2.4892

Inverse Universe

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



12.6975, 13.5938, 15.5905



21.8724, 23.5166, 27.3174



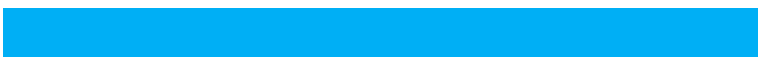
12.3542, 12.9073, 15.4761



3.1123, 3.3529, 3.9180



6.3799, 7.5941, 18.0518



31.7407, 37.1599, 91.7259

Previews

White Background



This preview shows how the XYZ color 12.8497, 13.2724, 13.6890 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 12.8497, 13.2724, 13.6890 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

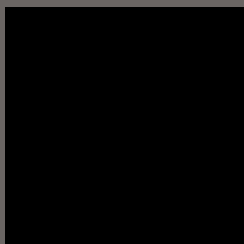
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

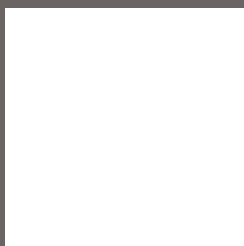
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.8497, 13.2724, 13.6890

Background



This preview shows how black text looks on a background with the XYZ color 12.8497, 13.2724, 13.6890.

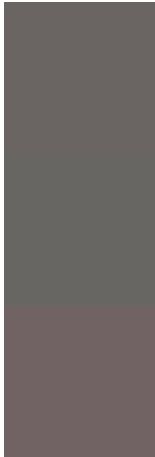


This preview shows how white text looks on a background with the XYZ color 12.8497, 13.2724,

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

12.8497, 13.2724, 13.6890

Protanopia

12.7124, 13.3467, 13.7105

Deuteranopia

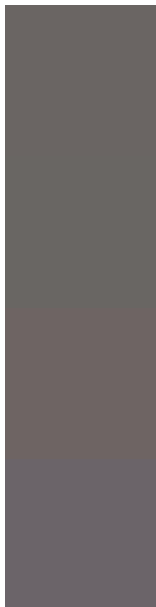
13.5240, 13.3352, 13.6655



Tritanopia

13.3274, 13.3229, 16.0565

Trichromacy



Original Color

12.8497, 13.2724, 13.6890

Protanomaly

12.8292, 13.4069, 13.7160

Deuteranomaly

13.2397, 13.3302, 13.6796

Tritanomaly

13.1704, 13.2601, 15.2299

Monochromacy



Original Color

12.8497, 13.2724, 13.6890

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.6939, 13.3259, 14.2150

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8497, 13.2724, 13.6890 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(106, 101, 99)` looks like.

```
.text, #text, p{  
    color:rgb(106, 101, 99)  
}
```

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(106, 101, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 101, 99) }
```

Border

The CSS property to change the border of an element to XYZ 12.8497, 13.2724, 13.6890 is called "border". The border property can be set on classes, ids or directly on the HTML element.

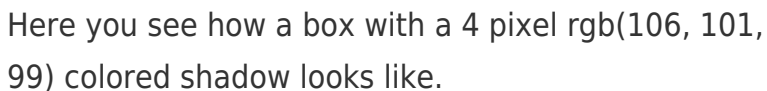
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(106, 101, 99) }
```


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

```
.border{ border-color:rgb(106, 101, 99) }
```

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



Here you see how a box with a 4 pixel `rgb(106, 101, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(106, 101, 99); -webkit-box-shadow:4px 4px 4px 4px rgb(106, 101, 99); box-shadow:4px 4px 4px 4px rgb(106, 101, 99) }
```

Background

The CSS property to change the background color of an element to XYZ 12.8497, 13.2724, 13.6890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 101, 99) }
```

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

```
.background{ background-color: rgb(106,  
101, 99) }
```

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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