

Converting Colors

XYZ(12.7506, 13.4628, 14.3042)

Have a look what the booklet for
XYZ(12.7506, 13.4628, 14.3042)
contains.

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Color

**XYZ(12.7927, 13.5236,
14.2480)**

Conversions

Conversions Part 1

Format	Color
Hex	676765
RGB	103, 103, 101
RGB Percent	40%, 40%, 40%
CMY	0.5961, 0.5961, 0.6039
CMYK	0.00, 0.00, 0.02, 0.60
HSL	60°, 1%, 40%
HSV	60°, 2%, 40%
XYZ	12.7927, 13.5236, 14.2480
YIQ	102.7720, 0.6420, -0.6220

Conversions

Conversions Part 2

Format	Color
R _Y B	101, 103, 101
Decimal	6776677
CIE Lab	43.54, -0.41, 1.12
CIE LCh	44, 1.192, 109.969
Yxy	13.5236, 0.3154, 0.3334
Android (android.graphics.Color)	4284966757 (0xFF676765)
YUV	102.7720, -0.8736, 0.2000
Hunter-Lab	36.7744, -2.2606, 2.7706

Details

The XYZ color **12.7927, 13.5236, 14.2480** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.4692, 13.0537, 14.6950**, and the grayscale version is **12.8343, 13.5027, 14.7044**.

A 20% lighter version of the original color is **30.5495, 32.2482, 34.3202**, and **3.7109, 3.9354, 4.0541** is the 20% darker color. If you saturate the color by 10%, you get **12.3184, 13.3342, 11.7545**, and if you desaturate by 10%, it is **13.3310, 13.7395, 17.0754**.

Distribution



Red (40%)

Green (40%)

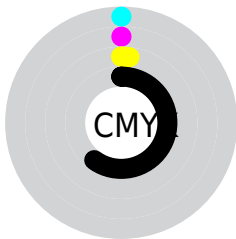
Blue (40%)



Red (40%)

Yellow (40%)

Blue (40%)



Cyan (0%)

Magenta (0%)

Yellow (2%)

Black (60%)



Cyan (60%)

Magenta (60%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7927, 13.5236, 14.2480 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 12.7927, 13.5236, 14.2480 by changing the saturation by 10% instead.

■ 12.7927, 13.5236,
14.2480

■ 12.7927, 13.5236,
14.2480

203.2494,
214.2466, 230.2501

■ 7.3620, 7.7901,
8.1526

■ 30.5353, 32.2413,
34.2519

■ 3.7378, 3.9609,
4.1036

■ 43.5780, 45.9943,
48.9974

■ 1.5549, 1.6517,
1.6824

■ 59.8886, 63.1892,
67.4635

■ 0.3627, 0.3921,
0.3486

■ 79.8326, 84.2104,
90.0686

■ 0.0000, 0.0000,
0.0000

103.7753,
109.4424, 117.2313

132.0821,

139.2695, 149.3700

165.1184,
174.0761, 186.9035

■ 12.7927, 13.5236,
14.2480

■ 12.7927, 13.5236,
14.2480

■ 12.3184, 13.3342,
11.7545

■ 13.3310, 13.7395,
17.0754

■ 11.9047, 13.1686,
9.5815

■ 13.9345, 13.9810,
20.2473

■ 11.5494, 13.0263,
7.7165

■ 14.6055, 14.2495,
23.7751

■ 11.2500, 12.9064,
6.1455

■ 15.3462, 14.5459,
27.6695

■ 11.0035, 12.8077,
4.8535

■ 16.1583, 14.8709,
31.9406

■ 10.8070, 12.7290,
3.8242

■ 17.0439, 15.2253,
36.5980

■ 10.6569, 12.6688,
3.0395

■ 18.0046, 15.6097,
41.6512

■ 10.5494, 12.6257,
2.4793

■ 19.0422, 16.0248,
47.1093

■ 10.4796, 12.5976,
2.1176

■ 20.1583, 16.4714,
52.9811

Harmonies

Analogous

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



12.8850, 13.5236, 14.2255



12.7927, 13.5236, 14.2480



12.7171, 13.5236, 14.3974

Triad

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



12.7927, 13.5236, 14.2480



12.7389, 13.5236, 15.1212



13.0310, 13.5236, 14.8144

Complementary

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



12.7927, 13.5236, 14.2480



12.4692, 13.0537, 14.6950

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.



12.9914, 13.5236, 15.0573



12.7927, 13.5236, 14.2480



12.8226, 13.5236, 15.2358

Square

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



12.7927, 13.5236, 14.2480



12.6862, 13.5236, 14.9008



12.9150, 13.5236, 15.2123



13.0229, 13.5236, 14.5504

Rectangle

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



12.7927, 13.5236, 14.2480



12.6862, 13.5236, 14.5499



12.9150, 13.5236, 15.2123



13.0228, 13.5236, 14.9013

Sweetspot

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



12.7931, 13.5242, 14.2483



22.9896, 24.2487, 25.9494



12.5966, 13.1308, 14.1827



5.6108, 5.9168, 6.3411



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.



12.7931, 13.5242, 14.2483



22.8959, 24.2112, 25.4570



12.6792, 13.4655, 14.2430



3.1243, 3.3016, 3.4879



13.1256, 15.8252, 2.3628



68.4526, 82.5346, 12.3229

Inverse Universe

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



12.4692, 13.0537, 14.6950



22.2819, 23.3194, 26.3038



12.5817, 13.1117, 14.7003



3.0517, 3.1961, 3.5880



3.0815, 1.2327, 16.2199



16.0674, 6.4273, 84.5951

Previews

White Background



This preview shows how the XYZ color 12.7927, 13.5236, 14.2480 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 12.7927, 13.5236, 14.2480 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

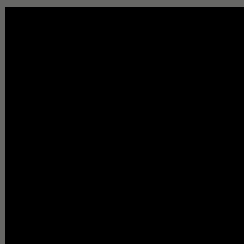
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

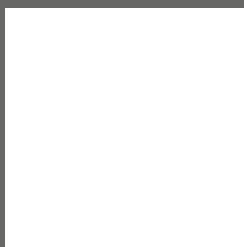
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.7927, 13.5236, 14.2480

Background



This preview shows how black text looks on a background with the XYZ color 12.7927, 13.5236, 14.2480.



This preview shows how white text looks on a background with the XYZ color 12.7927, 13.5236,

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

12.7927, 13.5236, 14.2480

Protanopia

12.9260, 13.4456, 14.2259

Deuteranopia

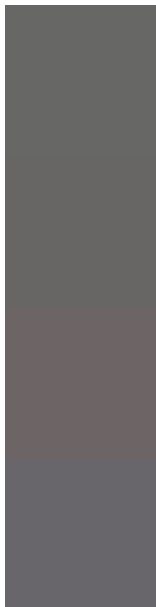
13.6702, 13.3937, 14.4351



Tritanopia

13.2748, 13.5716, 16.6718

Trichromacy



Original Color

12.7927, 13.5236, 14.2480

Protanomaly

12.8093, 13.3854, 14.2204

Deuteranomaly

13.2621, 13.3249, 14.4433

Tritanomaly

13.1141, 13.5073, 15.8259

Monochromacy



Original Color

12.7927, 13.5236, 14.2480

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.8420, 13.5434, 14.5077

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7927, 13.5236, 14.2480 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(103, 103, 101)` looks like.

```
.text, #text, p{  
    color:rgb(103, 103, 101)  
}
```

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(103, 103, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 103, 101) }
```

Border

The CSS property to change the border of an element to XYZ 12.7927, 13.5236, 14.2480 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(103, 103, 101) }
```


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

```
.border{ border-color:rgb(103, 103, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 103, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 103, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 103, 101);  
box-shadow:4px 4px 4px 4px rgb(103, 103,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7927, 13.5236, 14.2480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 103, 101) }
```

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

```
.background{ background-color: rgb(103,  
103, 101) }
```

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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