

Converting Colors

XYZ(13.0506, 13.9434, 14.3559)

Have a look what the booklet for
XYZ(13.0506, 13.9434, 14.3559)
contains.

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Color

**XYZ(12.9941, 13.9263,
14.3151)**

Conversions

Conversions Part 1

Format	Color
Hex	676965
RGB	103, 105, 101
RGB Percent	40%, 41%, 40%
CMY	0.5961, 0.5882, 0.6039
CMYK	0.02, 0.00, 0.04, 0.59
HSL	90°, 2%, 40%
HSV	90°, 4%, 41%
XYZ	12.9941, 13.9263, 14.3151
YIQ	103.9460, 0.0920, -1.6680

Conversions

Conversions Part 2

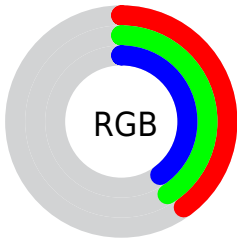
Format	Color
R_{YB}	101, 105, 103
Decimal	6777189
CIE Lab	44.13, -1.59, 1.97
CIE LCh	44, 2.533, 128.938
Yxy	13.9263, 0.3151, 0.3377
Android (android.graphics.Color)	4284967269 (0xFF676965)
YUV	103.9460, -1.4524, -0.8296
Hunter-Lab	37.3180, -3.1528, 3.3790

Details

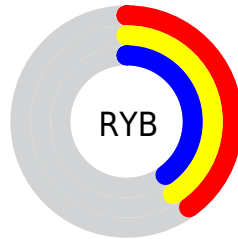
The XYZ color **12.9941, 13.9263, 14.3151** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.7975, 13.2112, 15.2408**, and the grayscale version is **13.1477, 13.8324, 15.0635**.

A 20% lighter version of the original color is **30.8824, 32.9140, 34.4311**, and **3.8098, 4.1332, 4.0870** is the 20% darker color. If you saturate the color by 10%, you get **11.9287, 13.4332, 11.7491**, and if you desaturate by 10%, it is **14.1639, 14.4664, 17.2298**.

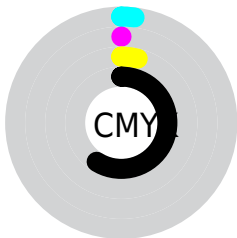
Distribution



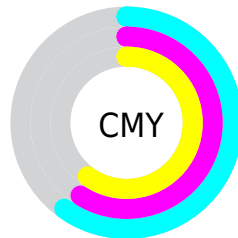
- Red (40%)
- Green (41%)
- Blue (40%)



- Red (40%)
- Yellow (41%)
- Blue (40%)



- Cyan (2%)
- Magenta (0%)
- Yellow (4%)
- Black (59%)



- Cyan (60%)
- Magenta (59%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.9941, 13.9263, 14.3151 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 12.9941, 13.9263, 14.3151 by changing the saturation by 10% instead.

■ 12.9941, 13.9263,
14.3151

■ 12.9941, 13.9263,
14.3151

204.5182,
216.7719, 230.6786

■ 7.5015, 8.0694,
8.1989

■ 30.8946, 32.9582,
34.3722

■ 3.8267, 4.1394,
4.1329

■ 44.0331, 46.9020,
49.1502

■ 1.6046, 1.7518,
1.6985

■ 60.4510, 64.3103,
67.6526

■ 0.3954, 0.4569,
0.3597

■ 80.5136, 85.5673,
90.2978

■ 0.0000, 0.0000,
0.0000

104.5863,
111.0577, 117.5045

133.0344,

141.1656, 149.6912

166.2232,
176.2755, 187.2763

■ 12.9941, 13.9263,
14.3151

■ 12.9941, 13.9263,
14.3151

■ 11.9287, 13.4332,
11.7491

■ 14.1639, 14.4664,
17.2298

■ 10.9634, 12.9839,
9.5178

■ 15.4398, 15.0531,
20.5045

■ 10.0952, 12.5777,
7.6076

■ 16.8253, 15.6880,
24.1515

■ 9.3205, 12.2131,
6.0038

■ 18.3230, 16.3725,
28.1818

■ 8.6357, 11.8884,
4.6902

■ 19.9357, 17.1076,
32.6062

■ 8.0365, 11.6019,
3.6495

■ 21.6658, 17.8944,
37.4351

■ 7.5186, 11.3518,
2.8623

■ 23.5159, 18.7340,
42.6784

■ 7.0769, 11.1359,
2.3067

■ 25.4883, 19.6274,
48.3456

■ 6.7038, 10.9512,
1.9471

■ 27.5854, 20.5757,
54.4461

Harmonies

Analogous

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



13.1763, 13.9263, 14.0916



12.9941, 13.9263, 14.3151



12.8776, 13.9263, 14.7674

Triad

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



12.9941, 13.9263, 14.3151



13.0975, 13.9263, 16.2245



13.6237, 13.9263, 14.9913

Complementary

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



12.9941, 13.9263, 14.3151



12.7975, 13.2112, 15.2408

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.



13.6020, 13.9263, 15.5664



12.9941, 13.9263, 14.3151



13.2969, 13.9263, 16.2882

Square

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



12.9941, 13.9263, 14.3151



12.9369, 13.9263, 15.8727



13.4820, 13.9263, 16.0445



13.5407, 13.9263, 14.4755

Rectangle

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



12.9941, 13.9263, 14.3151



12.8523, 13.9263, 15.1428



13.4820, 13.9263, 16.0445



13.6284, 13.9263, 15.1840

Sweetspot

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



12.9945, 13.9269, 14.3154



23.8308, 25.1971, 27.0206



13.0254, 13.6438, 14.2591



5.5866, 5.9043, 6.3399



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.



12.9945, 13.9269, 14.3154



23.0022, 24.8141, 24.9843



12.7678, 13.8100, 14.3048



3.2946, 3.5584, 3.5691



8.1784, 13.7113, 2.2155



40.6706, 69.3486, 11.2421

Inverse Universe

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



12.7975, 13.2112, 15.2408



22.5300, 23.0988, 27.2021



13.0297, 13.3309, 15.2517



3.2237, 3.3008, 3.9021



5.0123, 2.2110, 17.0848



24.5378, 10.7493, 87.0077

Previews

White Background



This preview shows how the XYZ color 12.9941, 13.9263, 14.3151 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 12.9941, 13.9263, 14.3151 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

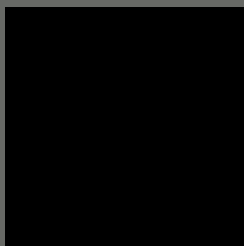
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

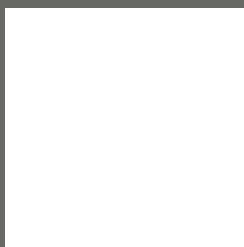
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.9941, 13.9263, 14.3151

Background



This preview shows how black text looks on a background with the XYZ color 12.9941, 13.9263, 14.3151.



This preview shows how white text looks on a background with the XYZ color 12.9941, 13.9263,

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

12.9941, 13.9263, 14.3151

Protanopia

13.3140, 13.9465, 14.0468

Deuteranopia

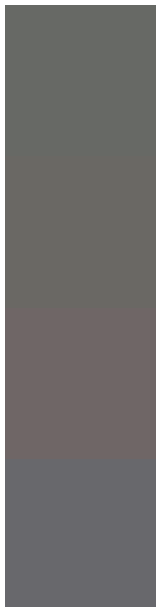
14.1222, 13.9115, 14.5112



Tritanopia

13.6006, 13.8736, 17.2903

Trichromacy



Original Color

12.9941, 13.9263, 14.3151

Protanomaly

13.1944, 13.8849, 14.0412

Deuteranomaly

13.7052, 13.8416, 14.5197

Tritanomaly

13.3660, 13.9264, 16.1710

Monochromacy



Original Color

12.9941, 13.9263, 14.3151

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

13.1074, 13.8230, 14.8092

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9941, 13.9263, 14.3151 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, 105, 101)` looks like.

```
.text, #text, p{  
    color:rgb(103, 105, 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, 105, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 105, 101) }
```

Border

The CSS property to change the border of an element to XYZ 12.9941, 13.9263, 14.3151 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, 105, 101) }
```


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

```
.border{ border-color:rgb(103, 105, 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, 105, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 105, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 105, 101);  
box-shadow:4px 4px 4px 4px rgb(103, 105,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9941, 13.9263, 14.3151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 105, 101) }
```

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

```
.background{ background-color: rgb(103,  
105, 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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