

Converting Colors

XYZ(13.2581, 13.9836, 15.8552)

Have a look what the booklet for
XYZ(13.2581, 13.9836, 15.8552)
contains.

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Color

**XYZ(13.2989, 14.0483,
15.9206)**

Conversions

Conversions Part 1

Format	Color
Hex	67696B
RGB	103, 105, 107
RGB Percent	40%, 41%, 42%
CMY	0.5961, 0.5882, 0.5804
CMYK	0.04, 0.02, 0.00, 0.58
HSL	210°, 2%, 41%
HSV	210°, 4%, 42%
XYZ	13.2989, 14.0483, 15.9206
YIQ	104.6300, -1.8340, 0.1980

Conversions

Conversions Part 2

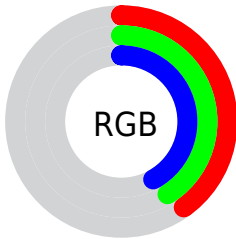
Format	Color
R_{YB}	103, 104, 107
Decimal	6777195
CIE _{Lab}	44.30, -0.35, -1.40
CIE _{LCh}	44, 1.439, 255.994
Yxy	14.0483, 0.3074, 0.3247
Android (android.graphics.Color)	4284967275 (0xFF67696B)
YUV	104.6300, 1.1684, -1.4295
Hunter-Lab	37.4811, -2.2571, 1.0525

Details

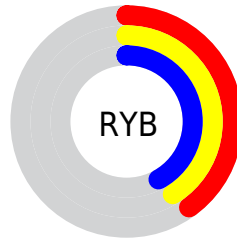
The XYZ color **13.2989, 14.0483, 15.9206** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.5630, 14.2078, 14.8595**, and the grayscale version is **13.3249, 14.0189, 15.2666**.

A 20% lighter version of the original color is **31.3864, 33.1156, 37.0855**, and **3.9596, 4.1931, 4.8756** is the 20% darker color. If you saturate the color by 10%, you get **11.6222, 12.4016, 15.6913**, and if you desaturate by 10%, it is **15.1677, 15.8456, 16.1692**.

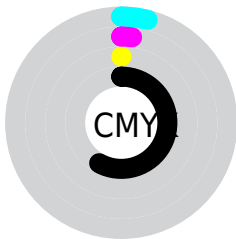
Distribution



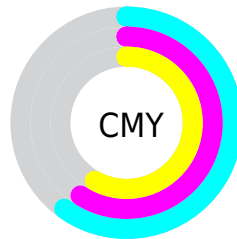
- Red (40%)
- Green (41%)
- Blue (42%)



- Red (40%)
- Yellow (41%)
- Blue (42%)



- Cyan (4%)
- Magenta (2%)
- Yellow (0%)
- Black (58%)



- Cyan (60%)
- Magenta (59%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.2989, 14.0483, 15.9206 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 13.2989, 14.0483, 15.9206 by changing the saturation by 10% instead.

■ 13.2989, 14.0483,
15.9206

■ 13.2989, 14.0483,
15.9206

206.4236,
217.5311, 240.7024

■ 7.7131, 8.1543,
9.3142

■ 31.4365, 33.1747,
37.2252

■ 3.9622, 4.1938,
4.8471

■ 44.7190, 47.1759,
52.7605

■ 1.6808, 1.7826,
2.1007

■ 61.2978, 64.6482,
72.1092

■ 0.4442, 0.4763,
0.6162

■ 81.5383, 85.9761,
95.6898

■ 0.0000, 0.0000,
0.0000

105.8057,
111.5439, 123.9209

134.4655,

141.7361, 157.2210

167.8830,
176.9370, 196.0087

■ 13.2989, 14.0483,
15.9206

■ 13.2989, 14.0483,
15.9206

■ 11.6222, 12.4016,
15.6913

■ 15.1677, 15.8456,
16.1692

■ 10.1298, 10.8994,
15.4800

■ 17.2337, 17.7958,
16.4368

■ 8.8153, 9.5378,
15.2865

■ 19.5030, 19.9034,
16.7240

■ 7.6712, 8.3119,
15.1102

■ 21.9814, 22.1722,
17.0313

■ 6.6896, 7.2168,
14.9505

■ 24.6744, 24.6058,
17.3591

■ 5.8619, 6.2468,
14.8069

■ 27.5871, 27.2077,
17.7078

■ 5.1786, 5.3960,
14.6787

■ 30.7245, 29.9814,
18.0778

■ 4.6290, 4.6579,
14.5652

■ 34.0916, 32.9301,
18.4695

■ 4.1967, 4.0227,
14.4654

■ 37.6931, 36.0571,
18.8832

Harmonies

Analogous

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



13.1990, 14.0483, 15.7575



13.2989, 14.0483, 15.9206



13.4137, 14.0483, 15.9147

Triad

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



13.2989, 14.0483, 15.9206



13.5668, 14.0483, 15.1219



13.1937, 14.0483, 14.8593

Complementary

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



13.2989, 14.0483, 15.9206



13.5630, 14.2078, 14.8595

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.



13.2915, 14.0483, 14.6939



13.2989, 14.0483, 15.9206



13.5071, 14.0483, 14.8440

Square

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



13.2989, 14.0483, 15.9206



13.5688, 14.0483, 15.4504



13.4062, 14.0483, 14.6884



13.1385, 14.0483, 15.1430

Rectangle

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



13.2989, 14.0483, 15.9206



13.4832, 14.0483, 15.8157



13.4062, 14.0483, 14.6884



13.2226, 14.0483, 14.7882

Sweetspot

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



13.2993, 14.0489, 15.9209



24.6865, 26.0015, 28.6254



13.3977, 14.4177, 15.4235



5.9818, 6.2998, 6.9295



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



13.2993, 14.0489, 15.9209



23.6955, 25.0411, 28.4922



13.1043, 13.6589, 15.8559



3.2517, 3.4377, 3.9270



4.7785, 4.3913, 17.5180



23.4793, 20.6372, 88.9721

Inverse Universe

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



13.4637, 13.8463, 15.3284



24.0188, 24.6439, 27.3268



13.7625, 14.6068, 14.9260



3.3002, 3.3783, 3.7522



8.1588, 4.1157, 4.4649



41.1341, 20.7956, 20.4405

Previews

White Background



This preview shows how the XYZ color 13.2989, 14.0483, 15.9206 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 13.2989, 14.0483, 15.9206 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

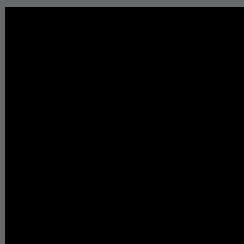
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

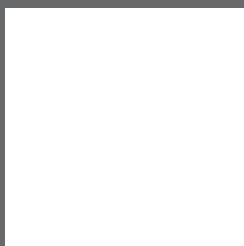
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.2989, 14.0483, 15.9206

Background



This preview shows how black text looks on a background with the XYZ color 13.2989, 14.0483, 15.9206.



This preview shows how white text looks on a background with the XYZ color 13.2989, 14.0483,

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

13.2989, 14.0483, 15.9206

Protanopia

13.4957, 14.0054, 15.6277

Deuteranopia

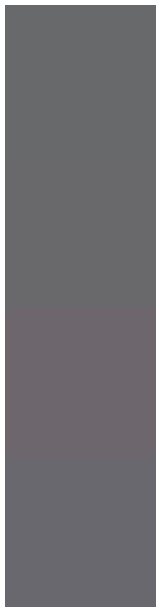
14.1705, 13.9008, 16.1236



Tritanopia

13.5839, 14.0135, 17.3182

Trichromacy



Original Color

13.2989, 14.0483, 15.9206

Protanomaly

13.3775, 13.9445, 15.6222

Deuteranomaly

13.7648, 13.8367, 16.1326

Tritanomaly

13.4737, 13.9695, 16.7381

Monochromacy



Original Color

13.2989, 14.0483, 15.9206

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

13.3620, 14.0868, 15.6504

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2989, 14.0483, 15.9206 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, 107)` looks like.

```
.text, #text, p{  
    color:rgb(103, 105, 107)  
}
```

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, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 105, 107) }
```

Border

The CSS property to change the border of an element to XYZ 13.2989, 14.0483, 15.9206 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, 107) }
```


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

```
.border{ border-color:rgb(103, 105, 107) }
```

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, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 105, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 105, 107);  
box-shadow:4px 4px 4px 4px rgb(103, 105,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 13.2989, 14.0483, 15.9206 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, 107) }
```

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

```
.background{ background-color: rgb(103,  
105, 107) }
```

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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