

Converting Colors

XYZ(13.1536, 13.2838, 16.3820)

Have a look what the booklet for
XYZ(13.1536, 13.2838, 16.3820)
contains.

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Color

**XYZ(13.1432, 13.2217,
16.3273)**

Conversions

Conversions Part 1

Format	Color
Hex	69646D
RGB	105, 100, 109
RGB Percent	41%, 39%, 43%
CMY	0.5882, 0.6078, 0.5725
CMYK	0.04, 0.08, 0.00, 0.57
HSL	273°, 4%, 41%
HSV	273°, 8%, 43%
XYZ	13.1432, 13.2217, 16.3273
YIQ	102.5210, 0.0910, 3.8590

Conversions

Conversions Part 2

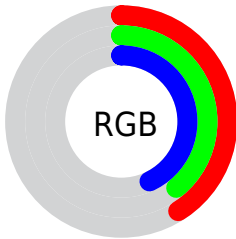
Format	Color
R_{YB}	105, 100, 109
Decimal	6906989
CIE _{Lab}	43.10, 3.84, -4.37
CIE _{LCh}	43, 5.812, 311.304
Yxy	13.2217, 0.3079, 0.3097
Android (android.graphics.Color)	4285097069 (0xFF69646D)
YUV	102.5210, 3.1941, 2.1741
Hunter-Lab	36.3617, 0.8873, -1.1695

Details

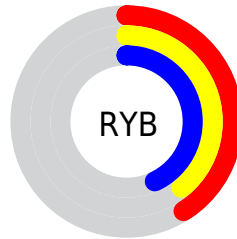
The XYZ color **13.1432, 13.2217, 16.3273** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.4782, 14.8007, 14.2036**, and the grayscale version is **12.7580, 13.4224, 14.6170**.

A 20% lighter version of the original color is **31.1221, 31.7392, 37.7437**, and **3.8875, 3.7935, 5.0848** is the 20% darker color. If you saturate the color by 10%, you get **11.6141, 10.9842, 15.9762**, and if you desaturate by 10%, it is **14.8454, 15.7569, 16.7271**.

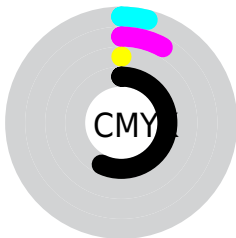
Distribution



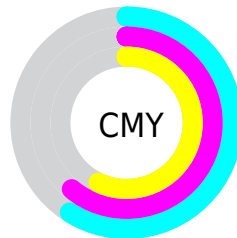
- Red (41%)
- Green (39%)
- Blue (43%)



- Red (41%)
- Yellow (39%)
- Blue (43%)



- Cyan (4%)
- Magenta (8%)
- Yellow (0%)
- Black (57%)



- Cyan (59%)
- Magenta (61%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.1432, 13.2217, 16.3273 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 13.1432, 13.2217, 16.3273 by changing the saturation by 10% instead.

■ 13.1432, 13.2217,
16.3273

■ 13.1432, 13.2217,
16.3273

205.4525,
212.3337, 243.1767

■ 7.6049, 7.5814,
9.5992

■ 31.1599, 31.7015,
37.9402

■ 3.8929, 3.8283,
5.0319

■ 44.3691, 45.3098,
53.6620

■ 1.6417, 1.5780,
2.2069

■ 60.8659, 62.3429,
73.2188

■ 0.4194, 0.3427,
0.6784

■ 81.0158, 83.1851,
97.0292

■ 0.0000, 0.0000,
0.0000

105.1840,
108.2209, 125.5116

133.7360,

137.8347, 159.0846

167.0370,
172.4108, 198.1668

■ 13.1432, 13.2217,
16.3273

■ 13.1432, 13.2217,
16.3273

■ 11.6141, 10.9842,
15.9762

■ 14.8454, 15.7569,
16.7271

■ 10.2509, 9.0313,
15.6711

■ 16.7253, 18.5987,
17.1766

■ 9.0475, 7.3516,
15.4103

■ 18.7887, 21.7578,
17.6776

■ 7.9971, 5.9322,
15.1917

■ 21.0408, 25.2440,
18.2318

■ 7.0923, 4.7590,
15.0129

■ 23.4866, 29.0664,
18.8407

6.3249, 3.8167,
14.8715

26.1309, 33.2340,
19.5057

5.6859, 3.0881,
14.7646

28.9783, 37.7553,
20.2284

5.1649, 2.5537,
14.6889

32.0333, 42.6386,
21.0099

4.7301, 2.1502,
14.6339

35.3002, 47.8917,
21.8517

Harmonies

Analogous

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



12.7362, 13.2217, 16.9496



13.1432, 13.2217, 16.3273



13.3994, 13.2217, 15.2004

Triad

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



13.1432, 13.2217, 16.3273



12.8446, 13.2217, 12.1864



11.7420, 13.2217, 14.8845

Complementary

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



13.1432, 13.2217, 16.3273



13.4782, 14.8007, 14.2036

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.



11.7695, 13.2217, 13.6208



13.1432, 13.2217, 16.3273



12.3990, 13.2217, 12.1130

Square

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



13.1432, 13.2217, 16.3273



13.2242, 13.2217, 12.8306



12.0076, 13.2217, 12.6237



11.9316, 13.2217, 16.0842

Rectangle

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



13.1432, 13.2217, 16.3273



13.4466, 13.2217, 14.3402



12.0076, 13.2217, 12.6237



11.7263, 13.2217, 14.4523

Sweetspot

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



13.1436, 13.2223, 16.3276



25.3876, 26.4263, 29.6699



12.9717, 13.7246, 16.4336



5.9200, 6.1676, 6.9072



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.



13.1436, 13.2223, 16.3276



22.9570, 22.8237, 29.1027



13.6003, 13.4605, 16.2228



3.0941, 3.1003, 3.8702



5.4194, 2.4208, 17.1039



26.6033, 11.8141, 87.1044

Inverse Universe

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



13.3629, 13.3656, 14.9727



23.4441, 23.1417, 26.1038



13.0467, 14.5758, 14.2975



3.1504, 3.1371, 3.5225



7.9994, 4.0519, 3.6254



40.3363, 20.4765, 16.2397

Previews

White Background



This preview shows how the XYZ color 13.1432, 13.2217, 16.3273 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 13.1432, 13.2217, 16.3273 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

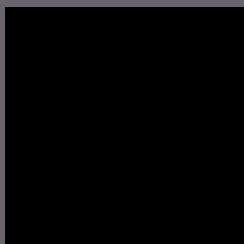
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.1432, 13.2217, 16.3273

Background



This preview shows how black text looks on a background with the XYZ color 13.1432, 13.2217, 16.3273.



This preview shows how white text looks on a background with the XYZ color 13.1432, 13.2217,

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

13.1432, 13.2217, 16.3273

Protanopia

12.8350, 13.1999, 16.6232

Deuteranopia

13.4065, 13.2160, 16.3123



Tritanopia

13.0896, 13.2003, 16.0454

Trichromacy

**Original Color**

13.1432, 13.2217, 16.3273

Protanomaly

12.9476, 13.2579, 16.6285

Deuteranomaly

13.2856, 13.1536, 16.3067

Tritanomaly

13.0896, 13.2003, 16.0454

Monochromacy

**Original Color**

13.1432, 13.2217, 16.3273

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

13.0101, 13.4657, 15.2780

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1432, 13.2217, 16.3273 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(105, 100, 109)` looks like.

```
.text, #text, p{  
    color:rgb(105, 100, 109)  
}
```

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(105, 100, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 100, 109) }
```

Border

The CSS property to change the border of an element to XYZ 13.1432, 13.2217, 16.3273 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(105, 100, 109) }
```


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

```
.border{ border-color:rgb(105, 100, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 100, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 100, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 100, 109);  
box-shadow:4px 4px 4px 4px rgb(105, 100,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 13.1432, 13.2217, 16.3273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 100, 109) }
```

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

```
.background{ background-color: rgb(105,  
100, 109) }
```

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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