

Converting Colors

XYZ(12.7302, 12.9781, 15.8403)

Have a look what the booklet for
XYZ(12.7302, 12.9781, 15.8403)
contains.

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Color

**XYZ(12.6905, 13.0007,
15.7504)**

Conversions

Conversions Part 1

Format	Color
Hex	66646B
RGB	102, 100, 107
RGB Percent	40%, 39%, 42%
CMY	0.6000, 0.6078, 0.5804
CMYK	0.05, 0.07, 0.00, 0.58
HSL	257°, 3%, 41%
HSV	257°, 7%, 42%
XYZ	12.6905, 13.0007, 15.7504
YIQ	101.3960, -1.0550, 2.6010

Conversions

Conversions Part 2

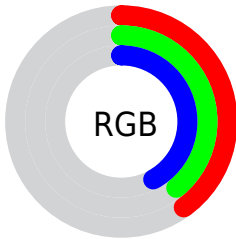
Format	Color
R_{YB}	102, 100, 107
Decimal	6710379
CIE Lab	42.76, 2.26, -3.67
CIE LCh	43, 4.310, 301.622
Yxy	13.0007, 0.3062, 0.3137
Android (android.graphics.Color)	4284900459 (0xFF66646B)
YUV	101.3960, 2.7628, 0.5297
Hunter-Lab	36.0565, -0.2737, -0.6599

Details

The XYZ color **12.6905, 13.0007, 15.7504** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.3842, 14.4391, 14.1389**, and the grayscale version is **12.4657, 13.1149, 14.2821**.

A 20% lighter version of the original color is **30.3750, 31.3741, 36.8026**, and **3.6643, 3.6847, 4.7931** is the 20% darker color. If you saturate the color by 10%, you get **10.9041, 10.6553, 15.3920**, and if you desaturate by 10%, it is **14.6924, 15.6580, 16.1580**.

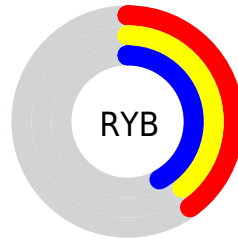
Distribution



Red (40%)

Green (39%)

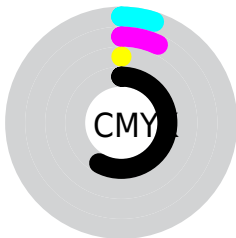
Blue (42%)



Red (40%)

Yellow (39%)

Blue (42%)

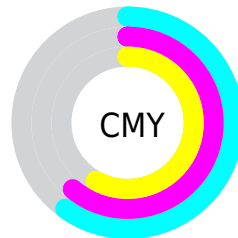


Cyan (5%)

Magenta (7%)

Yellow (0%)

Black (58%)



Cyan (60%)

Magenta (61%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6905, 13.0007, 15.7504 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 12.6905, 13.0007, 15.7504 by changing the saturation by 10% instead.

■ 12.6905, 13.0007,
15.7504

■ 12.6905, 13.0007,
15.7504

202.6024,
210.9222, 239.6596

■ 7.2913, 7.4290,
9.1953

■ 30.3527, 31.3050,
36.9251

■ 3.6929, 3.7318,
4.7702

■ 43.3464, 44.8065,
52.3817

■ 1.5299, 1.5247,
2.0567

■ 59.6023, 61.7200,
71.6426

■ 0.3460, 0.3060,
0.5898

■ 79.4858, 82.4300,
95.1262

■ 0.0000, 0.0000,
0.0000

103.3622,
107.3208, 123.2512

131.5968,

136.7768, 156.4361

164.5551,
171.1825, 195.0993

■ 12.6905, 13.0007,
15.7504

■ 12.6905, 13.0007,
15.7504

■ 10.9041, 10.6553,
15.3920

■ 14.6924, 15.6580,
16.1580

■ 9.3247, 8.6087,
15.0802

■ 16.9156, 18.6365,
16.6157

■ 7.9450, 6.8491,
14.8133

■ 19.3673, 21.9472,
17.1255

■ 6.7565, 5.3634,
14.5892

■ 22.0537, 25.6000,
17.6890

■ 5.7503, 4.1375,
14.4056

■ 24.9811, 29.6042,
18.3076

■ 4.9169, 3.1559,
14.2601

■ 28.1554, 33.9692,
18.9828

■ 4.2456, 2.4014,
14.1498

■ 31.5821, 38.7037,
19.7161

■ 3.7244, 1.8547,
14.0718

■ 35.2669, 43.8162,
20.5087

■ 3.3275, 1.4685,
14.0181

■ 39.2151, 49.3148,
21.3619

Harmonies

Analogous

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



12.3746, 13.0007, 16.0394



12.6905, 13.0007, 15.7504



12.9202, 13.0007, 15.0317

Triad

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



12.6905, 13.0007, 15.7504



12.6590, 13.0007, 12.6247



11.7368, 13.0007, 14.2068

Complementary

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



12.6905, 13.0007, 15.7504



13.3842, 14.4391, 14.1389

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.



11.8100, 13.0007, 13.3141



12.6905, 13.0007, 15.7504



12.3389, 13.0007, 12.4253

Square

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



12.6905, 13.0007, 15.7504



12.9018, 13.0007, 13.2292



12.0290, 13.0007, 12.6722



11.8273, 13.0007, 15.1241

Rectangle

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



12.6905, 13.0007, 15.7504



12.9915, 13.0007, 14.4204



12.0290, 13.0007, 12.6722



11.7431, 13.0007, 13.8940

Sweetspot

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



12.6909, 13.0013, 15.7507



24.2831, 25.3432, 28.5196



12.9631, 13.8778, 15.9055



5.8919, 6.1532, 6.9059



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.



12.6909, 13.0013, 15.7507



22.1585, 22.5336, 28.0892



13.0941, 13.2091, 15.7696



3.0221, 3.0631, 3.8668



3.8715, 1.6229, 17.0314



18.9687, 7.8783, 86.7471

Inverse Universe

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



13.1709, 13.2607, 15.2307



23.2303, 23.1131, 26.9214



12.9833, 14.2324, 14.1202



3.1825, 3.1499, 3.6916



8.9694, 4.4399, 8.7331



45.3156, 22.4682, 42.4601

Previews

White Background



This preview shows how the XYZ color 12.6905, 13.0007, 15.7504 looks on a white background.

Color Contrast Check

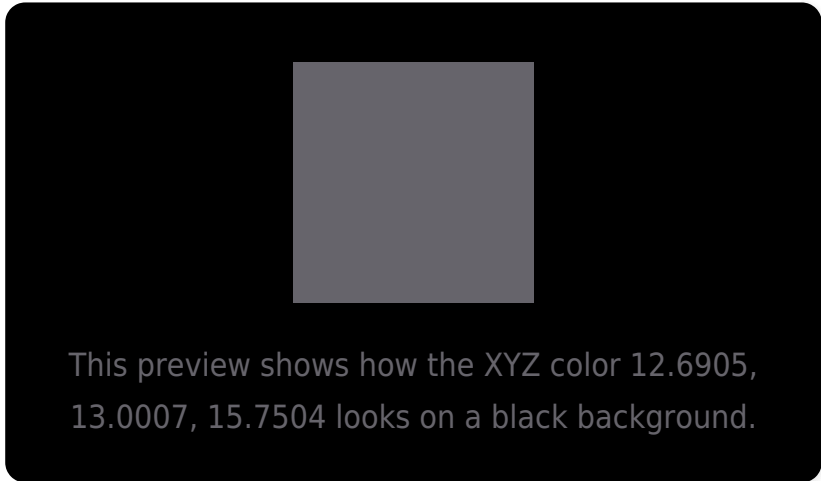
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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

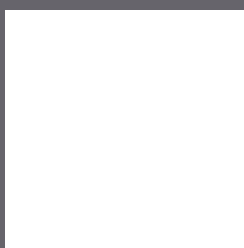
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.6905, 13.0007, 15.7504

Background



This preview shows how black text looks on a background with the XYZ color 12.6905, 13.0007, 15.7504.



This preview shows how white text looks on a background with the XYZ color 12.6905, 13.0007,

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

12.6905, 13.0007, 15.7504

Protanopia

12.5778, 12.9426, 15.7452

Deuteranopia

13.2059, 12.9850, 15.7203



Tritanopia

12.7434, 13.0218, 16.0292

Trichromacy

**Original Color**

12.6905, 13.0007, 15.7504

Protanomaly

12.5778, 12.9426, 15.7452

Deuteranomaly

13.0595, 13.0494, 15.7404

Tritanomaly

12.7434, 13.0218, 16.0292

Monochromacy

**Original Color**

12.6905, 13.0007, 15.7504

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.4687, 13.0533, 14.6943

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6905, 13.0007, 15.7504 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(102, 100, 107)` looks like.

```
.text, #text, p{  
    color:rgb(102, 100, 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(102, 100, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 100, 107) }
```

Border

The CSS property to change the border of an element to XYZ 12.6905, 13.0007, 15.7504 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(102, 100, 107) }
```


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

```
.border{ border-color:rgb(102, 100, 107) }
```

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

Here you see how a box with a 4 pixel rgb(102, 100, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 100, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 100, 107);  
box-shadow:4px 4px 4px 4px rgb(102, 100,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6905, 13.0007, 15.7504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 100, 107) }
```

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

```
.background{ background-color: rgb(102,  
100, 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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