

Converting Colors

XYZ(11.9233, 13.1487, 9.6492)

Have a look what the booklet for
XYZ(11.9233, 13.1487, 9.6492)
contains.

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Color

**XYZ(11.9290, 13.1781,
9.6995)**

Conversions

Conversions Part 1

Format	Color
Hex	676751
RGB	103, 103, 81
RGB Percent	40%, 40%, 32%
CMY	0.5961, 0.5961, 0.6823
CMYK	0.00, 0.00, 0.21, 0.60
HSL	60°, 12%, 36%
HSV	60°, 21%, 40%
XYZ	11.9290, 13.1781, 9.6995
YIQ	100.4920, 7.0620, -6.8420

Conversions

Conversions Part 2

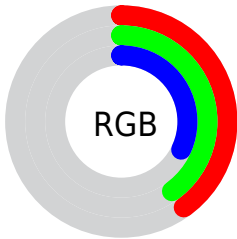
Format	Color
RYB	81, 103, 81
Decimal	6776657
CIELab	43.03, -4.10, 12.45
CIElCh	43, 13.113, 108.239
Yxy	13.1781, 0.3427, 0.3786
Android (android.graphics.Color)	4284966737 (0xFF676751)
YUV	100.4920, -9.6096, 2.1995
Hunter-Lab	36.3017, -4.8714, 9.5694

Details

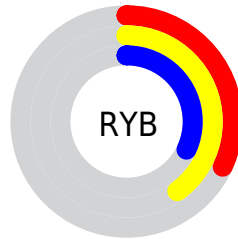
The XYZ color **11.9290, 13.1781, 9.6995** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **8.7844, 8.6138, 14.0322**, and the grayscale version is **12.2618, 12.9004, 14.0485**.

A 20% lighter version of the original color is **28.9113, 31.5929, 25.6934**, and **3.3635, 3.7965, 2.2246** is the 20% darker color. If you saturate the color by 10%, you get **11.5718, 13.0356, 7.8172**, and if you desaturate by 10%, it is **12.3455, 13.3452, 11.8910**.

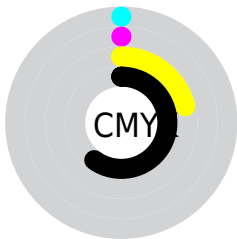
Distribution



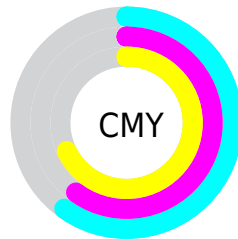
- Red (40%)
- Green (40%)
- Blue (32%)



- Red (32%)
- Yellow (40%)
- Blue (32%)



- Cyan (0%)
- Magenta (0%)
- Yellow (21%)
- Black (60%)



- Cyan (60%)
- Magenta (60%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.9290, 13.1781, 9.6995 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 11.9290, 13.1781, 9.6995 by changing the saturation by 10% instead.

■ 11.9290, 13.1781,
9.6995

■ 11.9290, 13.1781,
9.6995

197.7142,
212.0560, 198.9200

■ 6.7672, 7.5513,
5.0972

■ 28.9837, 31.6234,
25.8277

■ 3.3620, 3.8092,
2.2447

■ 41.6073, 45.2106,
38.1906

■ 1.3479, 1.5674,
0.7000

■ 57.4489, 62.2202,
53.9774

■ 0.2187, 0.3355,
0.0000

■ 76.8739, 83.0364,
73.6068

■ 0.0000, 0.0000,
0.0000

■ 100.2475,
108.0437, 97.4972

127.9352,

137.6265, 126.0672

160.3023,
172.1691, 159.7352

■ 11.9290, 13.1781,
9.6995

■ 11.9290, 13.1781,
9.6995

■ 11.5718, 13.0356,
7.8172

■ 12.3455, 13.3452,
11.8910

■ 11.2702, 12.9150,
6.2295

■ 12.8228, 13.5361,
14.4039

■ 11.0217, 12.8156,
4.9217

■ 13.3635, 13.7524,
17.2507

■ 10.8234, 12.7363,
3.8776

■ 13.9698, 13.9949,
20.4430

■ 10.6717, 12.6756,
3.0792

■ 14.6438, 14.2645,
23.9919

■ 10.5629, 12.6320,
2.5066

■ 15.3876, 14.5620,
27.9080

■ 10.4923, 12.6038,
2.1353

■ 16.2029, 14.8882,
32.2012

■ 10.4435, 12.5843,
1.8786

■ 17.0918, 15.2437,
36.8814

■ 18.0559, 15.6294,
41.9580

Harmonies

Analogous

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



12.9243, 13.1781, 9.5751



11.9290, 13.1781, 9.6995



11.1357, 13.1781, 10.9628

Triad

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



11.9290, 13.1781, 9.6995



11.2794, 13.1781, 18.8961



14.5186, 13.1781, 15.5091

Complementary

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



11.9290, 13.1781, 9.6995



8.7844, 8.6138, 14.0322

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.



14.0262, 13.1781, 18.3686



11.9290, 13.1781, 9.6995



12.1348, 13.1781, 20.4921

Square

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



11.9290, 13.1781, 9.6995



10.7747, 13.1781, 16.1555



13.1413, 13.1781, 20.2871



14.4561, 13.1781, 12.6819

Rectangle

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



11.9290, 13.1781, 9.6995



10.8115, 13.1781, 12.3892



13.1413, 13.1781, 20.2871



14.4114, 13.1781, 16.5046

Sweetspot

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



11.9293, 13.1787, 9.6998



22.5341, 24.0665, 23.5503



10.0215, 9.3628, 9.0638



5.4888, 5.8680, 5.6984



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.



11.9293, 13.1787, 9.6998



21.0011, 23.4533, 15.4794



10.7495, 12.5705, 9.6446



3.0402, 3.2679, 3.0450



13.1386, 15.8319, 2.3634



68.5246, 82.5717, 12.3263

Inverse Universe

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



8.7844, 8.6138, 14.0322



14.1990, 13.5800, 24.8499



9.8046, 9.1397, 14.0800



2.6929, 2.7637, 3.5235



3.0802, 1.2321, 16.2198



16.0648, 6.4259, 84.5950

Previews

White Background



This preview shows how the XYZ color 11.9290, 13.1781, 9.6995 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 11.9290, 13.1781, 9.6995 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

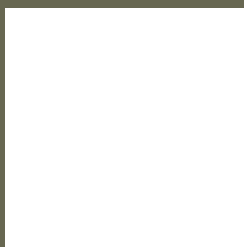
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.9290, 13.1781, 9.6995

Background



This preview shows how black text looks on a background with the XYZ color 11.9290, 13.1781, 9.6995.



This preview shows how white text looks on a background with the XYZ color 11.9290, 13.1781,

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

11.9290, 13.1781, 9.6995

Protanopia

12.2860, 13.0747, 9.4655

Deuteranopia

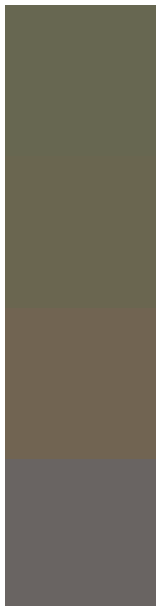
13.3619, 13.1961, 9.8255



Tritanopia

13.0595, 13.0494, 15.7404

Trichromacy



Original Color

11.9290, 13.1781, 9.6995

Protanomaly

12.1432, 13.1461, 9.4869

Deuteranomaly

12.8902, 13.2342, 9.8577

Tritanomaly

12.5875, 12.9994, 13.4010

Monochromacy



Original Color

11.9290, 13.1781, 9.6995

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

11.9963, 12.8644, 12.2067

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.9290, 13.1781, 9.6995 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, 81)` looks like.

```
.text, #text, p{  
    color:rgb(103, 103, 81)  
}
```

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, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 103, 81) }
```

Border

The CSS property to change the border of an element to XYZ 11.9290, 13.1781, 9.6995 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, 81) }
```


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

```
.border{ border-color:rgb(103, 103, 81) }
```

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, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 103, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 103, 81);  
box-shadow:4px 4px 4px 4px rgb(103, 103,  
81) }
```

Background

The CSS property to change the background color of an element to XYZ 11.9290, 13.1781, 9.6995 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, 81) }
```

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

```
.background{ background-color: rgb(103,  
103, 81) }
```

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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