

Converting Colors

XYZ(11.4776, 12.0944, 13.1892)

Have a look what the booklet for
XYZ(11.4776, 12.0944, 13.1892)
contains.

XYZ(11.5021, 12.1586, 13.2959)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

**XYZ(11.5021, 12.1586,
13.2959)**

Conversions

Conversions Part 1

Format	Color
Hex	616262
RGB	97, 98, 98
RGB Percent	38%, 38%, 38%
CMY	0.6196, 0.6157, 0.6157
CMYK	0.01, 0.00, 0.00, 0.62
HSL	180°, 1%, 38%
HSV	180°, 1%, 38%
XYZ	11.5021, 12.1586, 13.2959
YIQ	97.7010, -0.5960, -0.2120

Conversions

Conversions Part 2

Format	Color
RYB	97, 98, 98
Decimal	6382178
CIELab	41.47, -0.39, -0.14
CIElCh	41, 0.414, 200.161
Yxy	12.1586, 0.3112, 0.3290
Android (android.graphics.Color)	4284572258 (0xFF616262)
YUV	97.7010, 0.1474, -0.6148
Hunter-Lab	34.8692, -2.1403, 1.8007

Details

The XYZ color **11.5021, 12.1586, 13.2959** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.4699, 12.0095, 13.0235**, and the grayscale version is **11.5353, 12.1360, 13.2161**.

A 20% lighter version of the original color is **28.3850, 29.9607, 32.7207**, and **3.2131, 3.4077, 3.7372** is the 20% darker color. If you saturate the color by 10%, you get **10.5211, 11.6533, 13.2464**, and if you desaturate by 10%, it is **12.6128, 12.7315, 13.3520**.

Distribution



Red (38%)

Green (38%)

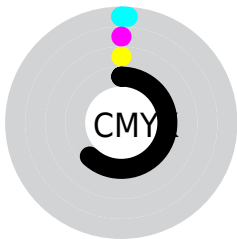
Blue (38%)



Red (38%)

Yellow (38%)

Blue (38%)



Cyan (1%)

Magenta (0%)

Yellow (0%)

Black (62%)



Cyan (62%)

Magenta (62%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.5021, 12.1586, 13.2959 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 11.5021, 12.1586, 13.2959 by changing the saturation by 10% instead.

■ 11.5021, 12.1586,
13.2959

■ 11.5021, 12.1586,
13.2959

194.9186,
205.4525, 224.0795

■ 6.4754, 6.8518,
7.4995

■ 28.2098, 29.7836,
32.5333

■ 3.1796, 3.3696,
3.6933

■ 40.6214, 42.8706,
46.8114

■ 1.2495, 1.3276,
1.4586

■ 56.2255, 59.3198,
64.7538

■ 0.1449, 0.1624,
0.1868

■ 75.3872, 79.5156,
86.7791

■ 0.0000, 0.0000,
0.0000

98.4721, 103.8424,
113.3057

125.8453,

132.6845, 144.7523

157.8724,
166.4264, 181.5374

■ 11.5021, 12.1586,
13.2959

■ 11.5021, 12.1586,
13.2959

■ 10.5211, 11.6533,
13.2464

■ 12.6128, 12.7315,
13.3520

■ 9.6641, 11.2116,
13.2024

■ 13.8567, 13.3726,
13.4141

■ 8.9265, 10.8314,
13.1640

■ 15.2383, 14.0848,
13.4826

■ 8.3029, 10.5100,
13.1310

■ 16.7617, 14.8700,
13.5577

■ 7.7878, 10.2446,
13.1030

■ 18.4307, 15.7304,
13.6397

7.3748, 10.0318,
13.0799

20.2491, 16.6677,
13.7287

7.0573, 9.8681,
13.0612

22.2205, 17.6839,
13.8248

6.8274, 9.7498,
13.0466

24.3483, 18.7807,
13.9282

6.6760, 9.6718,
13.0356

26.6359, 19.9599,
14.0391

Harmonies

Analogous

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



11.4994, 12.1586, 13.2103



11.5021, 12.1586, 13.2959



11.5193, 12.1586, 13.3664

Triad

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



11.5021, 12.1586, 13.2959



11.6009, 12.1586, 13.3452



11.5663, 12.1586, 13.0759

Complementary

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



11.5021, 12.1586, 13.2959



11.4699, 12.0095, 13.0235

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.



11.5935, 12.1586, 13.1117



11.5021, 12.1586, 13.2959



11.6135, 12.1586, 13.2670

Square

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



11.5021, 12.1586, 13.2959



11.5764, 12.1586, 13.3950



11.6108, 12.1586, 13.1816



11.5364, 12.1586, 13.0835

Rectangle

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



11.5021, 12.1586, 13.2959



11.5367, 12.1586, 13.3953



11.6108, 12.1586, 13.1816



11.5761, 12.1586, 13.0832

Sweetspot

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



11.5024, 12.1591, 13.2962



20.3446, 21.4041, 23.3091



11.4573, 12.1413, 13.0492



4.8358, 5.0876, 5.5404



49.6657, 52.2522, 56.9026

Same Dimension

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



11.5024, 12.1591, 13.2962



20.1548, 21.3063, 23.2995



11.4574, 12.0689, 13.2815



2.8356, 2.9956, 3.2739



8.7421, 12.8028, 17.3458



46.6988, 68.3945, 92.6476

Inverse Universe

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



11.4699, 12.0095, 13.0235



20.0973, 21.0421, 22.8178



11.5146, 12.0992, 13.0381



2.8286, 2.9636, 3.2156



6.7086, 3.4583, 0.3191



35.8355, 18.4736, 1.6880

Previews

White Background



This preview shows how the XYZ color 11.5021, 12.1586, 13.2959 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 11.5021, 12.1586, 13.2959 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

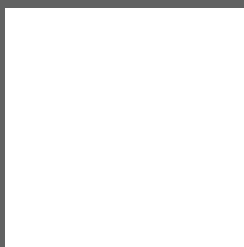
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.5021, 12.1586, 13.2959

Background



This preview shows how black text looks on a background with the XYZ color 11.5021, 12.1586, 13.2959.



This preview shows how white text looks on a background with the XYZ color 11.5021, 12.1586,

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

11.5021, 12.1586, 13.2959

Protanopia

11.6249, 12.0839, 13.2750

Deuteranopia

12.4077, 12.2111, 13.5074



Tritanopia

11.8615, 12.1660, 15.0877

Trichromacy

**Original Color**

11.5021, 12.1586, 13.2959

Protanomaly

11.5163, 12.0279, 13.2699

Deuteranomaly

12.0285, 12.1502, 13.5156

Tritanomaly

11.7100, 12.1054, 14.2898

Monochromacy

**Original Color**

11.5021, 12.1586, 13.2959

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

11.6093, 12.2139, 13.3009

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.5021, 12.1586, 13.2959 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(97, 98, 98) looks like.

```
.text, #text, p{  
    color:rgb(97, 98, 98)  
}
```

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(97, 98, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 98, 98) }
```

Border

The CSS property to change the border of an element to XYZ 11.5021, 12.1586, 13.2959 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(97, 98, 98) }
```

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

```
.border{ border-color:rgb(97, 98, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 98, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 98, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 98, 98);  
box-shadow:4px 4px 4px 4px rgb(97, 98, 98)  
}
```


Background

The CSS property to change the background color of an element to XYZ 11.5021, 12.1586, 13.2959 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 98, 98) }
```

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

```
.background{ background-color: rgb(97, 98,  
98) }
```

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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