

Converting Colors

XYZ(12.6464, 14.3779, 8.2471)

Have a look what the booklet for
XYZ(12.6464, 14.3779, 8.2471)
contains.

XYZ(12.5957, 14.3188, 8.2308)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(12.5957, 14.3188,
8.2308)**

Conversions

Conversions Part 1

Format	Color
Hex	6B6C48
RGB	107, 108, 72
RGB Percent	42%, 42%, 28%
CMY	0.5804, 0.5765, 0.7176
CMYK	0.01, 0.00, 0.33, 0.58
HSL	62°, 20%, 35%
HSV	62°, 33%, 42%
XYZ	12.5957, 14.3188, 8.2308
YIQ	103.5970, 10.9600, -11.4080

Conversions

Conversions Part 2

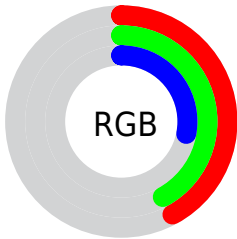
Format	Color
R_{YB}	72, 108, 73
Decimal	7040072
CIE Lab	44.69, -6.66, 20.07
CIE LCh	45, 21.145, 108.371
Yxy	14.3188, 0.3584, 0.4074
Android (android.graphics.Color)	4285230152 (0xFF6B6C48)
YUV	103.5970, -15.5773, 2.9844
Hunter-Lab	37.8402, -6.8038, 13.5917

Details

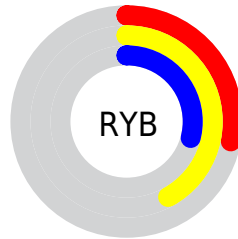
The XYZ color **12.5957, 14.3188, 8.2308** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **7.7722, 7.1342, 15.1555**, and the grayscale version is **13.0890, 13.7706, 14.9962**.

A 20% lighter version of the original color is **30.1474, 33.5477, 22.9756**, and **3.6820, 4.3511, 1.7444** is the 20% darker color. If you saturate the color by 10%, you get **12.2380, 14.1720, 6.5337**, and if you desaturate by 10%, it is **13.0162, 14.4917, 10.2546**.

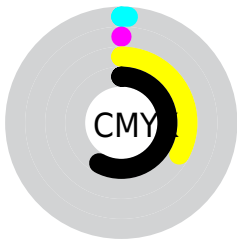
Distribution



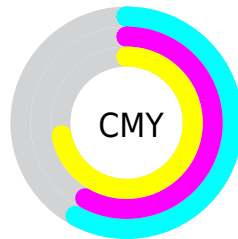
- Red (42%)
- Green (42%)
- Blue (28%)



- Red (28%)
- Yellow (42%)
- Blue (29%)



- Cyan (1%)
- Magenta (0%)
- Yellow (33%)
- Black (58%)



- Cyan (58%)
- Magenta (58%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5957, 14.3188, 8.2308 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 12.5957, 14.3188, 8.2308 by changing the saturation by 10% instead.

■ 12.5957, 14.3188,
8.2308

■ 12.5957, 14.3188,
8.2308

202.0005,
219.2052, 187.5329

■ 7.2258, 8.3427,
4.1531

■ 30.1830, 33.6536,
22.9633

■ 3.6513, 4.3150,
1.7097

■ 43.1312, 47.7812,
34.4551

■ 1.5068, 1.8513,
0.3674

■ 59.3362, 65.3947,
49.2554

■ 0.3305, 0.5188,
0.0000

■ 79.1633, 86.8785,
67.7828

■ 0.0000, 0.0000,
0.0000

■ 102.9779,
112.6171, 90.4556

131.1454,

142.9948, 117.6926

164.0312,
178.3960, 149.9122

■ 12.5957, 14.3188,
8.2308

■ 12.5957, 14.3188,
8.2308

■ 12.2380, 14.1720,
6.5337

■ 13.0162, 14.4917,
10.2546

■ 11.9387, 14.0482,
5.1454

■ 13.5014, 14.6900,
12.6200

■ 11.6947, 13.9464,
4.0476

■ 14.0545, 14.9154,
15.3422

■ 11.5020, 13.8652,
3.2195

■ 14.6781, 15.1691,
18.4350

■ 11.3563, 13.8028,
2.6379

■ 15.3747, 15.4520,
21.9117

■ 11.2511, 13.7567,
2.2690

■ 16.1467, 15.7650,
25.7847

■ 11.1881, 13.7287,
2.0602

■ 16.9964, 16.1092,
30.0660

■ 17.9259, 16.4853,
34.7672

■ 18.9374, 16.8941,
39.8991

Harmonies

Analogous

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



14.2858, 14.3188, 8.0443



12.5957, 14.3188, 8.2308



11.2887, 14.3188, 10.1169

Triad

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



12.5957, 14.3188, 8.2308



11.5327, 14.3188, 23.7767



17.1049, 14.3188, 17.5747

Complementary

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



12.5957, 14.3188, 8.2308



7.7722, 7.1342, 15.1555

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.



16.2285, 14.3188, 22.7505



12.5957, 14.3188, 8.2308



12.9551, 14.3188, 26.8022

Square

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



12.5957, 14.3188, 8.2308



10.7115, 14.3188, 18.7635



14.6765, 14.3188, 26.3915



16.9882, 14.3188, 12.7975

Rectangle

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



12.5957, 14.3188, 8.2308



10.7664, 14.3188, 12.3598



14.6765, 14.3188, 26.3915



16.9139, 14.3188, 19.3407

Sweetspot

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



12.5961, 14.3194, 8.2311



23.9867, 25.9047, 23.5508



9.7108, 8.3690, 7.2346



5.7817, 6.2602, 5.5817



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.



12.5961, 14.3194, 8.2311



21.6162, 24.9339, 12.0918



10.6911, 13.3374, 8.1420



3.3252, 3.5794, 3.3331



13.3402, 16.3723, 2.4571



67.8468, 83.3584, 12.5139

Inverse Universe

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



7.7722, 7.1342, 15.1555



11.7453, 10.2296, 26.2632



9.2996, 7.9216, 15.2270



2.9555, 3.0288, 3.8637



3.2694, 1.3125, 17.0033



16.5362, 6.6243, 86.6333

Previews

White Background



This preview shows how the XYZ color 12.5957, 14.3188, 8.2308 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 12.5957, 14.3188, 8.2308 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 12.5957, 14.3188, 8.2308

Background



This preview shows how black text looks on a background with the XYZ color 12.5957, 14.3188, 8.2308.



This preview shows how white text looks on a background with the XYZ color 12.5957, 14.3188,

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

12.5957, 14.3188, 8.2308

Protanopia

13.2308, 14.3404, 8.0319

Deuteranopia

14.4605, 14.2240, 8.2867



Tritanopia

14.4016, 14.2929, 17.0387

Trichromacy



Original Color

12.5957, 14.3188, 8.2308

Protanomaly

12.9506, 14.3498, 8.0485

Deuteranomaly

13.7607, 14.3036, 8.3389

Tritanomaly

13.6397, 14.2812, 13.3469

Monochromacy



Original Color

12.5957, 14.3188, 8.2308

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

12.8090, 13.8791, 12.1290

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5957, 14.3188, 8.2308 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(107, 108, 72)` looks like.

```
.text, #text, p{  
    color:rgb(107, 108, 72)  
}
```

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(107, 108, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 108, 72) }
```

Border

The CSS property to change the border of an element to XYZ 12.5957, 14.3188, 8.2308 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(107, 108, 72) }
```


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

```
.border{ border-color:rgb(107, 108, 72) }
```

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

Here you see how a box with a 4 pixel rgb(107, 108, 72) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 108, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 108, 72);  
box-shadow:4px 4px 4px 4px rgb(107, 108,  
72) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5957, 14.3188, 8.2308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 108, 72) }
```

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

```
.background{ background-color: rgb(107,  
108, 72) }
```

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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