

Converting Colors

XYZ(12.7728, 15.2831, 13.8508)

Have a look what the booklet for
XYZ(12.7728, 15.2831, 13.8508)
contains.

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Color

**XYZ(12.7361, 15.2436,
13.8263)**

Conversions

Conversions Part 1

Format	Color
Hex	5D7262
RGB	93, 114, 98
RGB Percent	36%, 45%, 38%
CMY	0.6353, 0.5529, 0.6157
CMYK	0.18, 0.00, 0.14, 0.55
HSL	134°, 10%, 41%
HSV	134°, 18%, 45%
XYZ	12.7361, 15.2436, 13.8263
YIQ	105.8970, -7.3800, -9.4280

Conversions

Conversions Part 2

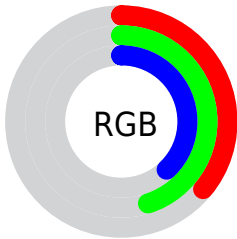
Format	Color
R_{YB}	93, 110, 114
Decimal	6124130
CIE _{Lab}	45.97, -11.23, 6.31
CIE _{LCh}	46, 12.887, 150.672
Yxy	15.2436, 0.3046, 0.3646
Android (android.graphics.Color)	4284314210 (0xFF5D7262)
YUV	105.8970, -3.8932, -11.3107
Hunter-Lab	39.0431, -10.0975, 6.3338

Details

The XYZ color **12.7361, 15.2436, 13.8263** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.6146, 12.5106, 16.1659**, and the grayscale version is **13.6835, 14.3961, 15.6773**.

A 20% lighter version of the original color is **30.5626, 35.3717, 33.6504**, and **3.7403, 4.7487, 3.9683** is the 20% darker color. If you saturate the color by 10%, you get **11.2791, 14.5377, 11.7322**, and if you desaturate by 10%, it is **14.4106, 16.0573, 16.1636**.

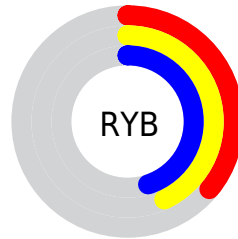
Distribution



Red (36%)

Green (45%)

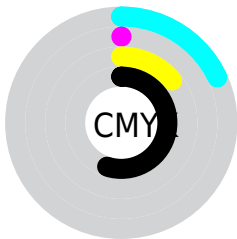
Blue (38%)



Red (36%)

Yellow (43%)

Blue (45%)

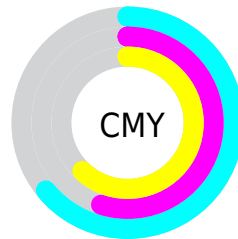


Cyan (18%)

Magenta (0%)

Yellow (14%)

Black (55%)



Cyan (64%)

Magenta (55%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7361, 15.2436, 13.8263 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 12.7361, 15.2436, 13.8263 by changing the saturation by 10% instead.

■ 12.7361, 15.2436,
13.8263

■ 12.7361, 15.2436,
13.8263

202.8913,
224.8360, 227.5383

■ 7.3228, 8.9905,
7.8626

■ 30.4342, 35.2800,
33.4932

■ 3.7129, 4.7350,
3.9206

■ 43.4498, 49.8320,
48.0334

■ 1.5410, 2.0926,
1.5819

■ 59.7301, 67.9192,
66.2696

■ 0.3535, 0.6605,
0.2779

■ 79.6406, 89.9260,
88.6202

■ 0.0000, 0.0000,
0.0000

103.5467,
116.2366, 115.5039

131.8135,

147.2356, 147.3391

164.8067,
183.3072, 184.5444

■ 12.7361, 15.2436,
13.8263

■ 12.7361, 15.2436,
13.8263

■ 11.2791, 14.5377,
11.7322

■ 14.4106, 16.0573,
16.1636

■ 10.0292, 13.9333,
9.8726

■ 16.3097, 16.9810,
18.7505

■ 8.9772, 13.4260,
8.2394

■ 18.4419, 18.0194,
21.5945

■ 8.1128, 13.0108,
6.8241

■ 20.8147, 19.1764,
24.7024

■ 7.4245, 12.6820,
5.6173

■ 23.4355, 20.4554,
28.0809

■ 6.8996, 12.4332,
4.6090

■ 26.3112, 21.8599,
31.7363

■ 6.5236, 12.2571,
3.7887

■ 29.4485, 23.3933,
35.6747

■ 6.2559, 12.1331,
3.1432

■ 32.8538, 25.0587,
39.9021

■ 6.2171, 12.1150,
3.0563

■ 36.5332, 26.8593,
44.4242

Harmonies

Analogous

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



13.4449, 15.2436, 11.9494



12.7361, 15.2436, 13.8263



12.4912, 15.2436, 16.6682

Triad

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



12.7361, 15.2436, 13.8263



14.5132, 15.2436, 23.3566



16.3682, 15.2436, 13.7186

Complementary

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



12.7361, 15.2436, 13.8263



13.6146, 12.5106, 16.1659

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.



16.6883, 15.2436, 16.5274



12.7361, 15.2436, 13.8263



15.5849, 15.2436, 22.3178

Square

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



12.7361, 15.2436, 13.8263



13.4855, 15.2436, 22.4038



16.3949, 15.2436, 19.7167



15.5402, 15.2436, 11.8929

Rectangle

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



12.7361, 15.2436, 13.8263



12.6137, 15.2436, 18.8094



16.3949, 15.2436, 19.7167



16.5406, 15.2436, 14.5665

Sweetspot

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



12.7365, 15.2442, 13.8266



26.0441, 28.5669, 29.3947



14.3127, 16.0832, 12.7061



5.9893, 6.5901, 6.7517



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



12.7365, 15.2442, 13.8266



21.2741, 26.2507, 22.7202



13.2601, 15.4537, 16.5838



3.3746, 3.7750, 3.7791



6.9145, 13.4833, 3.3705



34.1545, 67.0504, 15.2646

Inverse Universe

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



13.6146, 12.5106, 16.1659



23.1117, 20.5287, 27.6146



13.0873, 12.2996, 13.3890



3.4821, 3.4405, 4.0655



9.6269, 4.7431, 10.3772



47.6082, 23.4886, 49.8621

Previews

White Background



This preview shows how the XYZ color 12.7361, 15.2436, 13.8263 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 12.7361, 15.2436, 13.8263 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 12.7361, 15.2436, 13.8263

Background



This preview shows how black text looks on a background with the XYZ color 12.7361, 15.2436, 13.8263.



This preview shows how white text looks on a background with the XYZ color 12.7361, 15.2436,

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

12.7361, 15.2436, 13.8263

Protanopia

14.3676, 15.1288, 12.9894

Deuteranopia

15.3779, 15.1608, 14.1724



Tritanopia

14.0044, 15.2663, 19.9779

Trichromacy



Original Color

12.7361, 15.2436, 13.8263

Protanomaly

13.6311, 15.0606, 13.2549

Deuteranomaly

14.1702, 15.0055, 13.9539

Tritanomaly

13.5427, 15.2450, 17.5580

Monochromacy



Original Color

12.7361, 15.2436, 13.8263

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

13.2836, 14.6833, 14.9660

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7361, 15.2436, 13.8263 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(93, 114, 98) looks like.

```
.text, #text, p{  
    color:rgb(93, 114, 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(93, 114, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 114, 98) }
```

Border

The CSS property to change the border of an element to XYZ 12.7361, 15.2436, 13.8263 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(93, 114, 98) }
```


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

```
.border{ border-color:rgb(93, 114, 98) }
```

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

Here you see how a box with a 4 pixel rgb(93, 114, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 114, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 114, 98);  
box-shadow:4px 4px 4px 4px rgb(93, 114,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7361, 15.2436, 13.8263 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 114, 98) }
```

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

```
.background{ background-color: rgb(93, 114,  
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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