

Converting Colors

XYZ(12.8145, 14.2387, 12.6822)

Have a look what the booklet for
XYZ(12.8145, 14.2387, 12.6822)
contains.

XYZ(12.7576, 14.1483, 12.6482)	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(12.7576, 14.1483,
12.6482)**

Conversions

Conversions Part 1

Format	Color
Hex	666B5E
RGB	102, 107, 94
RGB Percent	40%, 42%, 37%
CMY	0.6000, 0.5804, 0.6314
CMYK	0.05, 0.00, 0.12, 0.58
HSL	83°, 6%, 39%
HSV	83°, 12%, 42%
XYZ	12.7576, 14.1483, 12.6482
YIQ	104.0230, 1.1930, -5.1030

Conversions

Conversions Part 2

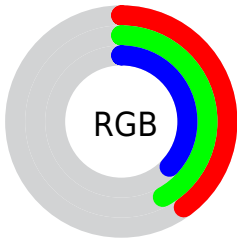
Format	Color
R_{YB}	94, 107, 99
Decimal	6712158
CIE Lab	44.44, -4.53, 6.63
CIE LCh	44, 8.032, 124.369
Yxy	14.1483, 0.3225, 0.3577
Android (android.graphics.Color)	4284902238 (0xFF666B5E)
YUV	104.0230, -4.9413, -1.7742
Hunter-Lab	37.6142, -5.2831, 6.3930

Details

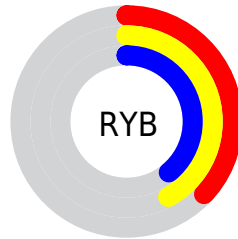
The XYZ color **12.7576, 14.1483, 12.6482** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.8026, 11.7200, 15.5507**, and the grayscale version is **13.1772, 13.8634, 15.0972**.

A 20% lighter version of the original color is **30.3978, 33.2396, 31.1993**, and **3.7249, 4.2573, 3.4217** is the 20% darker color. If you saturate the color by 10%, you get **11.8555, 13.7354, 10.2710**, and if you desaturate by 10%, it is **13.7502, 14.6010, 15.3778**.

Distribution



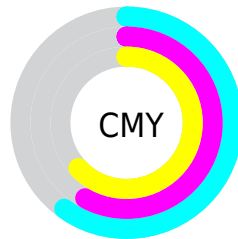
- Red (40%)
- Green (42%)
- Blue (37%)



- Red (37%)
- Yellow (42%)
- Blue (39%)



- Cyan (5%)
- Magenta (0%)
- Yellow (12%)
- Black (58%)



- Cyan (60%)
- Magenta (58%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7576, 14.1483, 12.6482 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 12.7576, 14.1483, 12.6482 by changing the saturation by 10% instead.

■ 12.7576, 14.1483,
12.6482

■ 12.7576, 14.1483,
12.6482

203.0274,
218.1515, 219.7786

■ 7.3377, 8.2239,
7.0589

■ 30.4726, 33.3519,
31.3522

■ 3.7224, 4.2385,
3.4199

■ 43.4985, 47.3999,
45.3039

■ 1.5463, 1.8079,
1.3129

■ 59.7903, 64.9246,
62.8802

■ 0.3570, 0.4921,
0.0723

■ 79.7136, 86.3103,
84.4995

■ 0.0000, 0.0000,
0.0000

103.6336,
111.9414, 110.5805

131.9156,

142.2024, 141.5416

164.9251,
177.4776, 177.8015

■ 12.7576, 14.1483,
12.6482

■ 12.7576, 14.1483,
12.6482

■ 11.8555, 13.7354,
10.2710

■ 13.7502, 14.6010,
15.3778

■ 11.0397, 13.3591,
8.2308

■ 14.8351, 15.0930,
18.4724

■ 10.3074, 13.0189,
6.5127

■ 16.0154, 15.6258,
21.9451

■ 9.6551, 12.7132,
5.1002

■ 17.2937, 16.2006,
25.8081

■ 9.0790, 12.4405,
3.9751

■ 18.6726, 16.8185,
30.0730

■ 8.5749, 12.1991,
3.1176

■ 20.1545, 17.4804,
34.7510

■ 8.1382, 11.9871,
2.5054

■ 21.7416, 18.1873,
39.8528

■ 7.7633, 11.8021,
2.1101

■ 23.4363, 18.9402,
45.3889

■ 7.4940, 11.6686,
1.8573

■ 25.2407, 19.7399,
51.3690

Harmonies

Analogous

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



13.3530, 14.1483, 12.1196



12.7576, 14.1483, 12.6482



12.3571, 14.1483, 13.9152

Triad

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



12.7576, 14.1483, 12.6482



12.9167, 14.1483, 18.8447



14.7261, 14.1483, 15.1353

Complementary

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



12.7576, 14.1483, 12.6482



11.8026, 11.7200, 15.5507

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.



14.6003, 14.1483, 16.9977



12.7576, 14.1483, 12.6482



13.5425, 14.1483, 19.2364

Square

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



12.7576, 14.1483, 12.6482



12.4469, 14.1483, 17.5046



14.1619, 14.1483, 18.5360



14.5004, 14.1483, 13.4806

Rectangle

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



12.7576, 14.1483, 12.6482



12.2474, 14.1483, 15.0583



14.1619, 14.1483, 18.5360



14.7236, 14.1483, 15.7572

Sweetspot

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



12.7580, 14.1489, 12.6485



24.2590, 25.9796, 26.5250



12.5445, 12.8549, 12.4100



5.8447, 6.2759, 6.3450



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.



12.7580, 14.1489, 12.6485



22.2975, 25.0846, 21.1863



12.0517, 13.7848, 12.6155



3.2259, 3.5283, 3.3284



9.0820, 14.1771, 2.2578



45.2859, 71.7278, 11.4580

Inverse Universe

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



11.8026, 11.7200, 15.5507



20.1722, 19.6806, 27.6433



12.5397, 12.0999, 15.5852



3.0483, 3.0766, 3.8681



4.3162, 1.8521, 17.0523



21.0844, 8.9690, 86.8461

Previews

White Background



This preview shows how the XYZ color 12.7576, 14.1483, 12.6482 looks on a white background.

Color Contrast Check

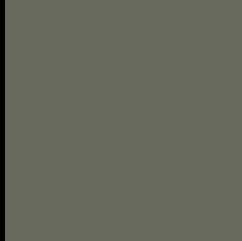
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.7576, 14.1483, 12.6482 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

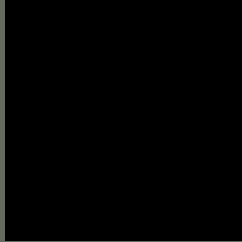
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

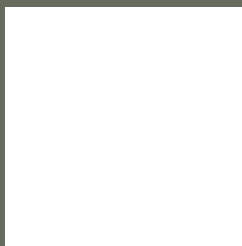
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.7576, 14.1483, 12.6482

Background



This preview shows how black text looks on a background with the XYZ color 12.7576, 14.1483, 12.6482.



This preview shows how white text looks on a background with the XYZ color 12.7576, 14.1483,

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

12.7576, 14.1483, 12.6482

Protanopia

13.4578, 14.2085, 12.3891

Deuteranopia

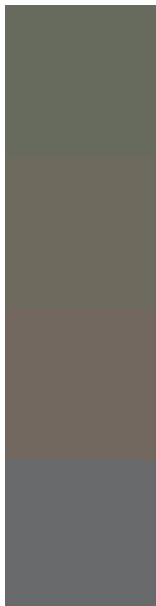
14.3270, 14.0555, 12.7843



Tritanopia

13.7566, 14.0961, 17.6186

Trichromacy



Original Color

12.7576, 14.1483, 12.6482

Protanomaly

13.1932, 14.2242, 12.4061

Deuteranomaly

13.7259, 14.0374, 12.8125

Tritanomaly

13.3620, 14.0868, 15.6504

Monochromacy



Original Color

12.7576, 14.1483, 12.6482

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

12.9453, 13.9068, 14.0586

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7576, 14.1483, 12.6482 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, 107, 94)` looks like.

```
.text, #text, p{  
    color:rgb(102, 107, 94)  
}
```

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, 107, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 107, 94) }
```

Border

The CSS property to change the border of an element to XYZ 12.7576, 14.1483, 12.6482 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, 107, 94) }
```


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

```
.border{ border-color:rgb(102, 107, 94) }
```

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

Here you see how a box with a 4 pixel rgb(102, 107, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 107, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 107, 94);  
box-shadow:4px 4px 4px 4px rgb(102, 107,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7576, 14.1483, 12.6482 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 107, 94) }
```

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

```
.background{ background-color: rgb(102,  
107, 94) }
```

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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