

Converting Colors

XYZ(15.6524, 18.7376, 12.6893)

Have a look what the booklet for
XYZ(15.6524, 18.7376, 12.6893)
contains.

XYZ(15.6524, 18.7376, 12.6893)	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(15.6524, 18.7376,
12.6893)**

Conversions

Conversions Part 1

Format	Color
Hex	6E7D5B
RGB	110, 125, 91
RGB Percent	43%, 49%, 36%
CMY	0.5686, 0.5098, 0.6431
CMYK	0.12, 0.00, 0.27, 0.51
HSL	86°, 16%, 42%
HSV	86°, 27%, 49%
XYZ	15.6524, 18.7376, 12.6893
YIQ	116.6390, 1.9740, -13.7540

Conversions

Conversions Part 2

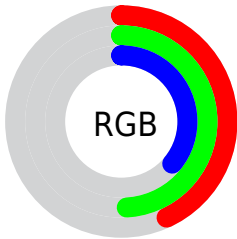
Format	Color
R_{YB}	91, 125, 106
Decimal	7241051
CIE _{Lab}	50.38, -12.05, 16.75
CIE _{LCh}	50, 20.639, 125.728
Yxy	18.7376, 0.3325, 0.3980
Android (android.graphics.Color)	4285431131 (0xFF6E7D5B)
YUV	116.6390, -12.6400, -5.8224
Hunter-Lab	43.2869, -11.2072, 12.9204

Details

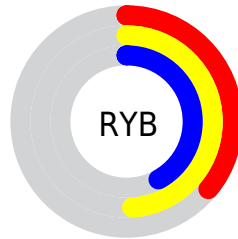
The XYZ color **15.6524, 18.7376, 12.6893** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **13.3874, 12.0275, 21.0190**, and the grayscale version is **16.8347, 17.7115, 19.2878**.

A 20% lighter version of the original color is **35.6284, 41.4453, 31.3212**, and **5.0447, 6.3825, 3.4487** is the 20% darker color. If you saturate the color by 10%, you get **14.4926, 18.1975, 10.0509**, and if you desaturate by 10%, it is **16.9458, 19.3373, 15.8037**.

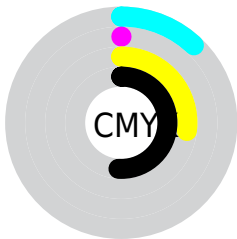
Distribution



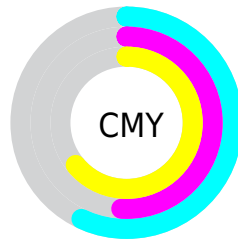
- Red (43%)
- Green (49%)
- Blue (36%)



- Red (36%)
- Yellow (49%)
- Blue (42%)



- Cyan (12%)
- Magenta (0%)
- Yellow (27%)
- Black (51%)



- Cyan (57%)
- Magenta (51%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.6524, 18.7376, 12.6893 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 15.6524, 18.7376, 12.6893 by changing the saturation by 10% instead.

■ 15.6524, 18.7376,
12.6893

■ 15.6524, 18.7376,
12.6893

220.5927,
244.9963, 220.0542

■ 9.3678, 11.4808,
7.0867

■ 35.5560, 41.2902,
31.4274

■ 5.0409, 6.3912,
3.4371

■ 49.9058, 57.3549,
45.4001

■ 2.3063, 3.0844,
1.3219

■ 67.6746, 77.1243,
62.9998

■ 0.7979, 1.1760,
0.0797

■ 89.2279, 100.9828,
84.6452

■ 0.0000, 0.0419,
0.0000

114.9310,
129.3149, 110.7548

■ 0.0000, 0.0000,
0.0000

145.1493,

162.5049, 141.7471

180.2481,
200.9373, 178.0408

■ 15.6524, 18.7376,
12.6893

■ 15.6524, 18.7376,
12.6893

■ 14.4926, 18.1975,
10.0509

■ 16.9458, 19.3373,
15.8037

■ 13.4597, 17.7123,
7.8638

■ 18.3761, 19.9963,
19.4147

■ 12.5485, 17.2806,
6.1029

■ 19.9485, 20.7171,
23.5432

■ 11.7530, 16.8998,
4.7404

■ 21.6674, 21.5018,
28.2086

■ 11.0663, 16.5672,
3.7448

■ 23.5370, 22.3519,
33.4290

■ 10.4807, 16.2794,
3.0800

■ 25.5611, 23.2693,
39.2221

■ 9.9806, 16.0302,
2.6686

■ 27.7437, 24.2555,
45.6045

■ 9.8489, 15.9645,
2.5624

■ 30.0885, 25.3120,
52.5923

■ 32.5990, 26.4404,
60.2008

Harmonies

Analogous

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



17.4276, 18.7376, 11.2721



15.6524, 18.7376, 12.6893



14.5220, 18.7376, 16.1928

Triad

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



15.6524, 18.7376, 12.6893



16.2717, 18.7376, 32.2092



21.9263, 18.7376, 19.3201

Complementary

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



15.6524, 18.7376, 12.6893



13.3874, 12.0275, 21.0190

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.



21.5591, 18.7376, 25.2840



15.6524, 18.7376, 12.6893



18.1970, 18.7376, 33.4736

Square

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



15.6524, 18.7376, 12.6893



14.8604, 18.7376, 27.5502



20.1563, 18.7376, 30.7385



21.1251, 18.7376, 14.6115

Rectangle

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



15.6524, 18.7376, 12.6893



14.2359, 18.7376, 19.5909



20.1563, 18.7376, 30.7385



21.9361, 18.7376, 21.2353

Sweetspot

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



15.6529, 18.7384, 12.6897



32.6399, 35.6845, 34.0825



15.4731, 15.3692, 12.0489



7.3463, 8.0810, 7.5527



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



15.6529, 18.7384, 12.6897



26.6323, 32.9037, 19.5127



13.7638, 17.7646, 12.6013



4.4878, 4.9279, 4.6348



10.2706, 16.6570, 2.6738



0.0000, 0.0000, 0.0000

Inverse Universe

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



13.3874, 12.0275, 21.0190



21.8239, 18.6576, 37.1954



15.5738, 13.1547, 21.1214



4.2749, 4.2973, 5.4174



5.5087, 2.3935, 20.4216



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 15.6524, 18.7376, 12.6893 looks on a white 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

Black Background



This preview shows how the XYZ color 15.6524, 18.7376, 12.6893 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

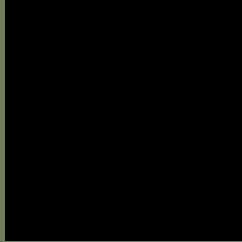
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.6524, 18.7376, 12.6893

Background



This preview shows how black text looks on a background with the XYZ color 15.6524, 18.7376, 12.6893.



This preview shows how white text looks on a background with the XYZ color 15.6524, 18.7376,

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

15.6524, 18.7376, 12.6893

Protanopia

17.4217, 18.7434, 12.1508

Deuteranopia

18.9217, 18.6272, 12.9541



Tritanopia

17.8814, 18.7309, 23.4419

Trichromacy



Original Color

15.6524, 18.7376, 12.6893

Protanomaly

16.6902, 18.7222, 12.4069

Deuteranomaly

17.5819, 18.6335, 12.7952

Tritanomaly

16.9935, 18.7343, 18.9401

Monochromacy



Original Color

15.6524, 18.7376, 12.6893

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

16.3627, 18.0931, 16.8173

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.6524, 18.7376, 12.6893 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(110, 125, 91)` looks like.

```
.text, #text, p{  
    color:rgb(110, 125, 91)  
}
```

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(110, 125, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 125, 91) }
```

Border

The CSS property to change the border of an element to XYZ 15.6524, 18.7376, 12.6893 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(110, 125, 91) }
```


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

```
.border{ border-color:rgb(110, 125, 91) }
```

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

Here you see how a box with a 4 pixel rgb(110, 125, 91) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 125, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 125, 91);  
box-shadow:4px 4px 4px 4px rgb(110, 125,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 15.6524, 18.7376, 12.6893 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 125, 91) }
```

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

```
.background{ background-color: rgb(110,  
125, 91) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor