

Converting Colors

XYZ(12.6124, 12.1313, 9.5412)

Have a look what the booklet for
XYZ(12.6124, 12.1313, 9.5412)
contains.

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Color

**XYZ(12.6020, 12.1358,
9.4628)**

Conversions

Conversions Part 1

Format	Color
Hex	745D51
RGB	116, 93, 81
RGB Percent	45%, 36%, 32%
CMY	0.5451, 0.6353, 0.6824
CMYK	0.00, 0.20, 0.30, 0.55
HSL	21°, 18%, 39%
HSV	21°, 30%, 45%
XYZ	12.6020, 12.1358, 9.4628
YIQ	98.5090, 17.5600, 1.1440

Conversions

Conversions Part 2

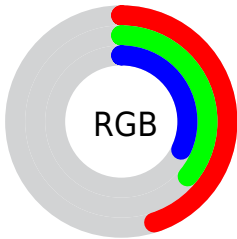
Format	Color
R_{YB}	116, 99, 81
Decimal	7626065
CIE _{Lab}	41.43, 7.41, 10.43
CIE _{LCh}	41, 12.794, 54.603
Yxy	12.1358, 0.3685, 0.3548
Android (android.graphics.Color)	4285816145 (0xFF745D51)
YUV	98.5090, -8.6319, 15.3396
Hunter-Lab	34.8365, 3.6081, 8.2803

Details

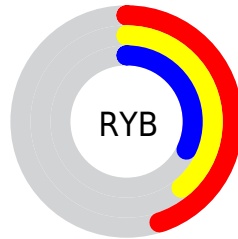
The XYZ color **12.6020, 12.1358, 9.4628** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.4958, 12.9104, 18.4091**, and the grayscale version is **11.7546, 12.3667, 13.4674**.

A 20% lighter version of the original color is **30.2139, 29.6916, 25.2577**, and **3.6497, 3.3537, 2.1240** is the 20% darker color. If you saturate the color by 10%, you get **11.5677, 10.7049, 7.1522**, and if you desaturate by 10%, it is **13.7780, 13.7310, 12.1876**.

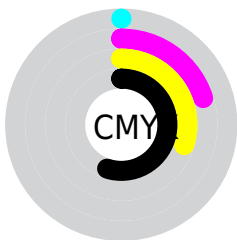
Distribution



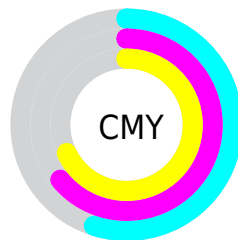
- Red (45%)
- Green (36%)
- Blue (32%)



- Red (45%)
- Yellow (39%)
- Blue (32%)



- Cyan (0%)
- Magenta (20%)
- Yellow (30%)
- Black (55%)



- Cyan (55%)
- Magenta (64%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6020, 12.1358, 9.4628 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 12.6020, 12.1358, 9.4628 by changing the saturation by 10% instead.

■ 12.6020, 12.1358,
9.4628

■ 12.6020, 12.1358,
9.4628

202.0405,
205.3023, 197.1372

■ 7.2302, 6.8362,
4.9433

■ 30.1943, 29.7422,
25.3719

■ 3.6541, 3.3599,
2.1559

■ 43.1455, 42.8178,
37.5986

■ 1.5083, 1.3224,
0.6487

■ 59.3539, 59.2542,
53.2315

■ 0.3315, 0.1584,
0.0000

■ 79.1847, 79.4359,
72.6890

■ 0.0000, 0.0000,
0.0000

■ 103.0035,
103.7471, 96.3899

131.1755,

132.5723, 124.7525

164.0660,
166.2959, 158.1954

■ 12.6020, 12.1358,
9.4628

■ 12.6020, 12.1358,
9.4628

■ 11.5677, 10.7049,
7.1522

■ 13.7780, 13.7310,
12.1876

■ 10.6684, 9.4311,
5.2345

■ 15.1000, 15.4939,
15.3450

■ 9.8983, 8.3094,
3.6877

■ 16.5736, 17.4299,
18.9531

■ 9.2507, 7.3336,
2.4872

■ 18.2034, 19.5438,
23.0288

■ 8.7183, 6.4971,
1.6052

■ 19.9942, 21.8400,
27.5881

■ 8.2926, 5.7929,
1.0100

■ 21.9503, 24.3229,
32.6463

■ 7.9539, 5.2158,
0.5875

■ 24.0759, 26.9967,
38.2180

■ 26.3751, 29.8654,
44.3171

■ 28.8519, 32.9329,
50.9570

Harmonies

Analogous

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



13.2385, 12.1358, 11.1940



12.6020, 12.1358, 9.4628



11.7037, 12.1358, 8.7422

Triad

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



12.6020, 12.1358, 9.4628



9.8442, 12.1358, 12.7379



12.2955, 12.1358, 18.4395

Complementary

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



12.6020, 12.1358, 9.4628



11.4958, 12.9104, 18.4091

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.



11.3673, 12.1358, 18.9974



12.6020, 12.1358, 9.4628



9.9838, 12.1358, 15.4631

Square

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



12.6020, 12.1358, 9.4628



10.1374, 12.1358, 10.4634



10.5295, 12.1358, 17.8444



13.0549, 12.1358, 16.4083

Rectangle

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



12.6020, 12.1358, 9.4628



11.0896, 12.1358, 8.8511



10.5295, 12.1358, 17.8444



11.9915, 12.1358, 18.8161

Sweetspot

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



12.6023, 12.1364, 9.4630



26.7761, 27.5436, 27.5381



12.6606, 10.6042, 14.5652



6.3177, 6.4782, 6.3999



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



12.6023, 12.1364, 9.4630



20.9003, 19.6067, 13.8189



14.2816, 15.4950, 10.0228



3.7772, 3.8873, 3.8935



8.9099, 5.8210, 0.6540



42.6924, 26.9133, 2.9446

Inverse Universe

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



11.4958, 12.9104, 18.4091



18.6300, 21.1879, 32.1523



9.9405, 9.7998, 17.8906



3.6826, 3.9539, 4.6593



6.4375, 7.2148, 19.5959



30.5509, 33.5184, 95.2198

Previews

White Background



This preview shows how the XYZ color 12.6020, 12.1358, 9.4628 looks on a white background.

Color Contrast Check

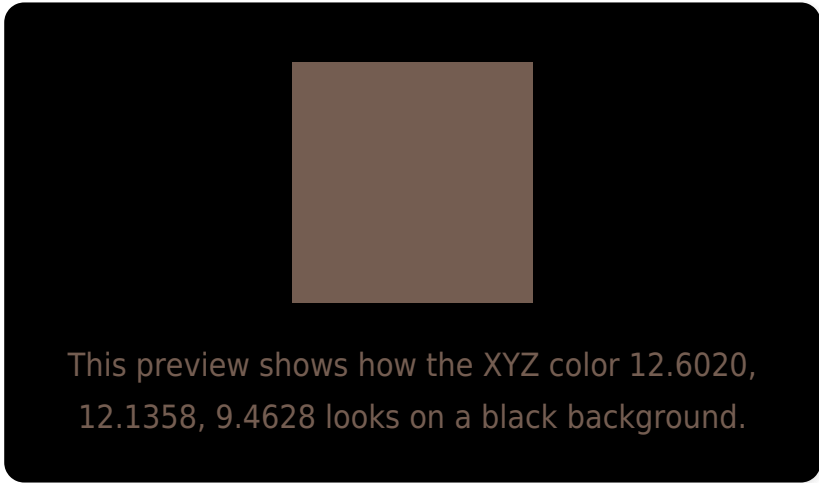
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 12.6020, 12.1358, 9.4628

Background



This preview shows how black text looks on a background with the XYZ color 12.6020, 12.1358, 9.4628.



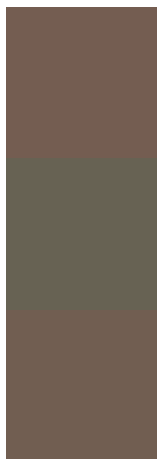
This preview shows how white text looks on a background with the XYZ color 12.6020, 12.1358,

9.4628.

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

12.6020, 12.1358, 9.4628

Protanopia

11.5225, 12.2435, 9.9395

Deuteranopia

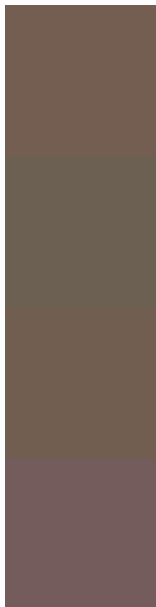
12.2980, 12.1102, 9.4739



Tritanopia

13.4169, 12.2156, 13.2060

Trichromacy



Original Color

12.6020, 12.1358, 9.4628

Protanomaly

11.8902, 12.1631, 9.7037

Deuteranomaly

12.4273, 12.1769, 9.4800

Tritanomaly

13.0950, 12.2089, 11.7916

Monochromacy



Original Color

12.6020, 12.1358, 9.4628

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

12.0322, 12.3254, 11.8701

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6020, 12.1358, 9.4628 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(116, 93, 81)` looks like.

```
.text, #text, p{  
    color:rgb(116, 93, 81)  
}
```

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(116, 93, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 93, 81) }
```

Border

The CSS property to change the border of an element to XYZ 12.6020, 12.1358, 9.4628 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(116, 93, 81) }
```


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

```
.border{ border-color:rgb(116, 93, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 93, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 93, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 93, 81);  
box-shadow:4px 4px 4px 4px rgb(116, 93,  
81) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6020, 12.1358, 9.4628 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 93, 81) }
```

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

```
.background{ background-color: rgb(116, 93,  
81) }
```

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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