

Converting Colors

XYZ(15.6342, 12.8563, 4.1817)

Have a look what the booklet for
XYZ(15.6342, 12.8563, 4.1817)
contains.

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Color

**XYZ(15.5762, 12.7975,
4.1318)**

Conversions

Conversions Part 1

Format	Color
Hex	92552D
RGB	146, 85, 45
RGB Percent	57%, 33%, 18%
CMY	0.4275, 0.6666, 0.8235
CMYK	0.00, 0.42, 0.69, 0.43
HSL	24°, 53%, 37%
HSV	24°, 69%, 57%
XYZ	15.5762, 12.7975, 4.1318
YIQ	98.6790, 49.1960, 0.4920

Conversions

Conversions Part 2

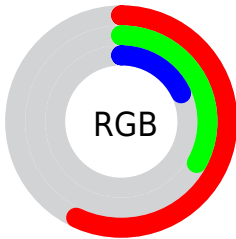
Format	Color
R_{YB}	146, 111, 45
Decimal	9590061
CIE _{Lab}	42.46, 21.65, 33.58
CIE _{LCh}	42, 39.953, 57.188
Yxy	12.7975, 0.4792, 0.3937
Android (android.graphics.Color)	4287780141 (0xFF92552D)
YUV	98.6790, -26.4637, 41.5005
Hunter-Lab	35.7736, 15.1170, 18.1936

Details

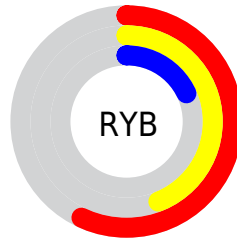
The XYZ color **15.5762, 12.7975, 4.1318** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **11.4240, 12.9403, 29.0895**, and the grayscale version is **11.8351, 12.4514, 13.5596**.

A 20% lighter version of the original color is **35.4976, 30.9380, 14.2259**, and **5.0399, 3.6752, 0.4437** is the 20% darker color. If you saturate the color by 10%, you get **14.6908, 11.4015, 2.6817**, and if you desaturate by 10%, it is **16.6459, 14.4068, 6.1233**.

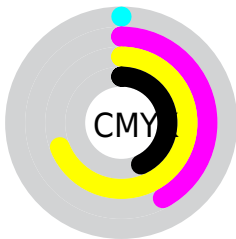
Distribution



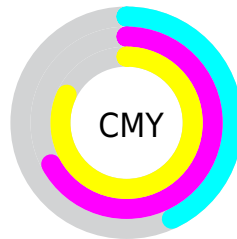
- Red (57%)
- Green (33%)
- Blue (18%)



- Red (57%)
- Yellow (44%)
- Blue (18%)



- Cyan (0%)
- Magenta (42%)
- Yellow (69%)
- Black (43%)



- Cyan (43%)
- Magenta (67%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.5762, 12.7975, 4.1318 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 15.5762, 12.7975, 4.1318 by changing the saturation by 10% instead.

■ 15.5762, 12.7975,
4.1318

■ 15.5762, 12.7975,
4.1318

220.1477,
209.6158, 149.6792

■ 9.3137, 7.2893,
1.6979

■ 35.4243, 30.9395,
14.3126

■ 5.0051, 3.6436,
0.3593

■ 49.7406, 44.3420,
22.8966

■ 2.2850, 1.4763,
0.0000

■ 67.4723, 61.1448,
34.3678

■ 0.7870, 0.2720,
0.0000

■ 88.9846, 81.7322,
49.1446

■ 0.0000, 0.0000,
0.0000

■ 114.6429,
106.4886, 67.6456

■ 144.8127,

135.7984, 90.2893

179.8591,
170.0460, 117.4944

■ 15.5762, 12.7975,
4.1318

■ 15.5762, 12.7975,
4.1318

■ 14.6908, 11.4015,
2.6817

■ 16.6459, 14.4068,
6.1233

■ 13.9752, 10.2063,
1.7159

■ 17.9112, 16.2369,
8.7041

■ 13.4016, 9.1958,
1.1031

■ 19.3831, 18.2976,
11.9176

■ 13.3583, 9.1197,
1.0562

■ 21.0717, 20.5971,
15.8027

■ 22.9862, 23.1433,
20.3953

■ 25.1352, 25.9438,
25.7288

■ 27.5271, 29.0057,
31.8341

■ 30.1695, 32.3359,
38.7408

■ 33.0699, 35.9410,
46.4766

Harmonies

Analogous

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



18.0706, 12.7975, 7.6513



15.5762, 12.7975, 4.1318



12.4497, 12.7975, 3.0714

Triad

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



15.5762, 12.7975, 4.1318



7.2514, 12.7975, 13.1370



15.0036, 12.7975, 34.4831

Complementary

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



15.5762, 12.7975, 4.1318



11.4240, 12.9403, 29.0895

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.



11.8820, 12.7975, 37.9036



15.5762, 12.7975, 4.1318



7.7086, 12.7975, 22.9601

Square

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



15.5762, 12.7975, 4.1318



7.9199, 12.7975, 6.7454



9.2899, 12.7975, 33.0170



17.7035, 12.7975, 24.9810

Rectangle

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



15.5762, 12.7975, 4.1318



10.5326, 12.7975, 3.3417



9.2899, 12.7975, 33.0170



13.9549, 12.7975, 36.5176

Sweetspot

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



15.5765, 12.7982, 4.1320



39.7560, 39.7796, 34.0472



15.4611, 9.0553, 14.9211



8.6582, 8.6029, 7.1255



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



15.5765, 12.7982, 4.1320



25.1866, 18.9109, 3.6948



20.8826, 23.4104, 5.9007



5.9780, 6.1698, 6.1163



11.7761, 8.0667, 0.9364



0.1715, 0.1535, 0.0206

Inverse Universe

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



11.4240, 12.9403, 29.0895



17.2970, 19.0617, 50.7412



7.7230, 5.5382, 27.8558



5.7733, 6.1805, 7.3584



7.6712, 8.0372, 25.0781



0.1227, 0.1561, 0.3166

Previews

White Background



This preview shows how the XYZ color 15.5762, 12.7975, 4.1318 looks on a white background.

Color Contrast Check

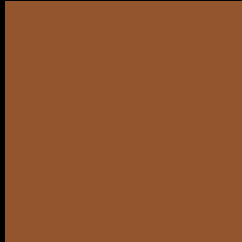
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.5762, 12.7975, 4.1318 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

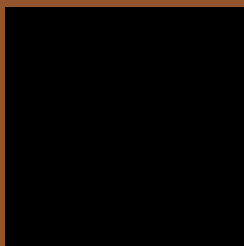
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.5762, 12.7975, 4.1318

Background



This preview shows how black text looks on a background with the XYZ color 15.5762, 12.7975, 4.1318.



This preview shows how white text looks on a background with the XYZ color 15.5762, 12.7975,

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

15.5762, 12.7975, 4.1318

Protanopia

11.7849, 12.9172, 4.8897

Deuteranopia

13.0582, 12.8929, 3.9908



Tritanopia

16.7611, 12.7051, 10.3730

Trichromacy



Original Color

15.5762, 12.7975, 4.1318

Protanomaly

12.9379, 12.6829, 4.5625

Deuteranomaly

13.9361, 12.8153, 4.0246

Tritanomaly

16.1872, 12.6926, 7.5580

Monochromacy



Original Color

15.5762, 12.7975, 4.1318

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

12.6164, 12.2829, 9.1030

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.5762, 12.7975, 4.1318 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(146, 85, 45)` looks like.

```
.text, #text, p{  
    color:rgb(146, 85, 45)  
}
```

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(146, 85, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 85, 45) }
```

Border

The CSS property to change the border of an element to XYZ 15.5762, 12.7975, 4.1318 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(146, 85, 45) }
```


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

```
.border{ border-color:rgb(146, 85, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 85, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 85, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 85, 45);  
box-shadow:4px 4px 4px 4px rgb(146, 85,  
45) }
```

Background

The CSS property to change the background color of an element to XYZ 15.5762, 12.7975, 4.1318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 85, 45) }
```

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

```
.background{ background-color: rgb(146, 85,  
45) }
```

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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