

Converting Colors

XYZ(12.3960, 12.0777, 9.6258)

Have a look what the booklet for
XYZ(12.3960, 12.0777, 9.6258)
contains.

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Color

**XYZ(12.3768, 12.0153,
9.6495)**

Conversions

Conversions Part 1

Format	Color
Hex	725D52
RGB	114, 93, 82
RGB Percent	45%, 36%, 32%
CMY	0.5529, 0.6353, 0.6784
CMYK	0.00, 0.18, 0.28, 0.55
HSL	21°, 16%, 38%
HSV	21°, 28%, 45%
XYZ	12.3768, 12.0153, 9.6495
YIQ	98.0250, 16.0470, 1.0310

Conversions

Conversions Part 2

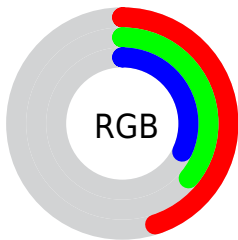
Format	Color
R_{YB}	114, 99, 82
Decimal	7494994
CIE _{Lab}	41.24, 6.71, 9.52
CIE _{LCh}	41, 11.646, 54.847
Yxy	12.0153, 0.3636, 0.3530
Android (android.graphics.Color)	4285685074 (0xFF725D52)
YUV	98.0250, -7.9003, 14.0101
Hunter-Lab	34.6631, 3.0748, 7.7590

Details

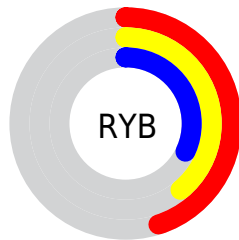
The XYZ color **12.3768, 12.0153, 9.6495** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.3671, 12.7090, 17.7737**, and the grayscale version is **11.6322, 12.2379, 13.3271**.

A 20% lighter version of the original color is **29.6451, 29.3906, 25.5832**, and **3.5304, 3.2904, 2.1993** is the 20% darker color. If you saturate the color by 10%, you get **11.3538, 10.6068, 7.3432**, and if you desaturate by 10%, it is **13.5368, 13.5822, 12.3574**.

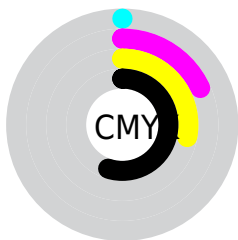
Distribution



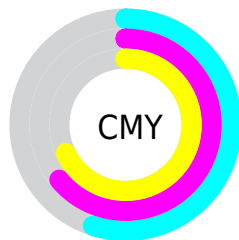
- Red (45%)
- Green (36%)
- Blue (32%)



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



- Cyan (0%)
- Magenta (18%)
- Yellow (28%)
- Black (55%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.3768, 12.0153, 9.6495 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 12.3768, 12.0153, 9.6495 by changing the saturation by 10% instead.

■ 12.3768, 12.0153,
9.6495

■ 12.3768, 12.0153,
9.6495

200.6035,
204.5066, 198.5449

■ 7.0749, 6.7541,
5.0646

■ 29.7905, 29.5230,
25.7316

■ 3.5557, 3.3088,
2.2258

■ 42.6329, 42.5382,
38.0658

■ 1.4540, 1.2950,
0.6892

■ 58.7196, 58.9070,
53.8203

■ 0.2942, 0.1373,
0.0000

■ 78.4158, 79.0136,
73.4136

■ 0.0000, 0.0000,
0.0000

■ 102.0869,
103.2424, 97.2641

130.0984,

131.9780, 125.7905

162.8154,
165.6045, 159.4112

■ 12.3768, 12.0153,
9.6495

■ 12.3768, 12.0153,
9.6495

■ 11.3538, 10.6068,
7.3432

■ 13.5368, 13.5822,
12.3574

■ 10.4615, 9.3500,
5.4184

■ 14.8378, 15.3108,
15.4842

■ 9.6943, 8.2401,
3.8543

■ 16.2851, 17.2061,
19.0471

■ 9.0461, 7.2712,
2.6280

■ 17.8832, 19.2728,
23.0621

■ 8.5098, 6.4374,
1.7138

■ 19.6364, 21.5149,
27.5443

■ 8.0779, 5.7318,
1.0820

■ 21.5490, 23.9366,
32.5083

■ 7.7321, 5.1433,
0.6484

■ 23.6249, 26.5420,
37.9678

■ 7.6714, 5.0413,
0.5687

■ 25.8680, 29.3348,
43.9361

■ 28.2821, 32.3187,
50.4261

Harmonies

Analogous

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



12.9514, 12.0153, 11.2314



12.3768, 12.0153, 9.6495



11.5660, 12.0153, 8.9908

Triad

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



12.3768, 12.0153, 9.6495



9.8841, 12.0153, 12.6711



12.1133, 12.0153, 17.7514

Complementary

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



12.3768, 12.0153, 9.6495



11.3671, 12.7090, 17.7737

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.



11.2756, 12.0153, 18.2586



12.3768, 12.0153, 9.6495



10.0147, 12.0153, 15.1268

Square

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



12.3768, 12.0153, 9.6495



10.1483, 12.0153, 10.5931



10.5142, 12.0153, 17.2464



12.7941, 12.0153, 15.9344

Rectangle

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



12.3768, 12.0153, 9.6495



11.0108, 12.0153, 9.0971



10.5142, 12.0153, 17.2464



11.8396, 12.0153, 18.0894

Sweetspot

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



12.3771, 12.0159, 9.6497



26.0414, 26.8620, 27.1303



12.4218, 10.5981, 14.3110



5.9541, 6.1220, 6.1083



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.



12.3771, 12.0159, 9.6497



20.5008, 19.4005, 14.1241



13.8957, 15.0531, 10.1559



3.4696, 3.5717, 3.5799



8.5250, 5.5826, 0.6282



41.7332, 26.3417, 2.8849

Inverse Universe

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



11.3671, 12.7090, 17.7737



18.3970, 20.8384, 31.0281



9.9523, 9.8794, 17.3021



3.3831, 3.6314, 4.2768



6.1514, 6.8931, 18.7279



29.8170, 32.6859, 93.0166

Previews

White Background



This preview shows how the XYZ color 12.3768, 12.0153, 9.6495 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 12.3768, 12.0153, 9.6495 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 12.3768, 12.0153, 9.6495

Background



This preview shows how black text looks on a background with the XYZ color 12.3768, 12.0153, 9.6495.



This preview shows how white text looks on a background with the XYZ color 12.3768, 12.0153,

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

12.3768, 12.0153, 9.6495

Protanopia

11.3544, 12.0143, 10.1080

Deuteranopia

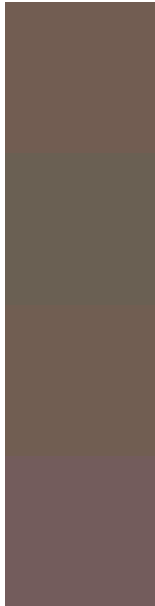
12.2078, 12.0593, 9.6669



Tritanopia

13.1481, 12.0770, 13.1934

Trichromacy



Original Color

12.3768, 12.0153, 9.6495

Protanomaly

11.6881, 12.0544, 9.8943

Deuteranomaly

12.3357, 12.1253, 9.6729

Tritanomaly

12.8291, 12.0718, 11.7791

Monochromacy



Original Color

12.3768, 12.0153, 9.6495

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

11.8236, 12.0815, 11.8340

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3768, 12.0153, 9.6495 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(114, 93, 82)` looks like.

```
.text, #text, p{  
    color:rgb(114, 93, 82)  
}
```

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(114, 93, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 93, 82) }
```

Border

The CSS property to change the border of an element to XYZ 12.3768, 12.0153, 9.6495 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(114, 93, 82) }
```


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

```
.border{ border-color:rgb(114, 93, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 93, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 93, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 93, 82);  
box-shadow:4px 4px 4px 4px rgb(114, 93,  
82) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3768, 12.0153, 9.6495 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 93, 82) }
```

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

```
.background{ background-color: rgb(114, 93,  
82) }
```

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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