

Converting Colors

XYZ(12.9081, 15.4152, 11.9145)

Have a look what the booklet for
XYZ(12.9081, 15.4152, 11.9145)
contains.

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Color

**XYZ(12.8998, 15.3695,
11.9596)**

Conversions

Conversions Part 1

Format	Color
Hex	62725A
RGB	98, 114, 90
RGB Percent	38%, 45%, 35%
CMY	0.6157, 0.5529, 0.6471
CMYK	0.14, 0.00, 0.21, 0.55
HSL	100°, 12%, 40%
HSV	100°, 21%, 45%
XYZ	12.8998, 15.3695, 11.9596
YIQ	106.4800, -1.8320, -10.8560

Conversions

Conversions Part 2

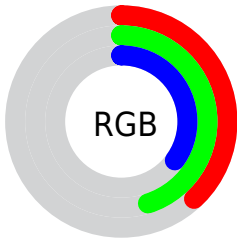
Format	Color
R_{YB}	90, 114, 106
Decimal	6451802
CIE _{Lab}	46.14, -10.88, 11.35
CIE _{LCh}	46, 15.720, 133.781
Yxy	15.3695, 0.3207, 0.3821
Android (android.graphics.Color)	4284641882 (0xFF62725A)
YUV	106.4800, -8.1246, -7.4370
Hunter-Lab	39.2040, -9.8727, 9.3557

Details

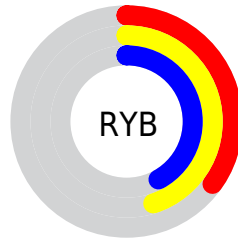
The XYZ color **12.8998, 15.3695, 11.9596** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.6379, 11.5919, 17.4918**, and the grayscale version is **13.8539, 14.5753, 15.8725**.

A 20% lighter version of the original color is **30.7643, 35.5554, 30.0524**, and **3.7681, 4.7821, 3.1073** is the 20% darker color. If you saturate the color by 10%, you get **11.6699, 14.7877, 9.5604**, and if you desaturate by 10%, it is **14.2829, 16.0225, 14.7552**.

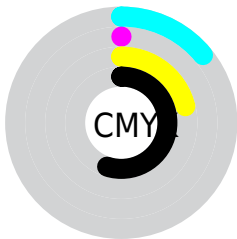
Distribution



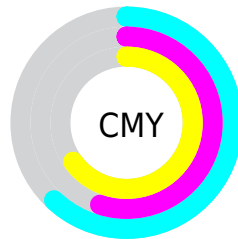
- Red (38%)
- Green (45%)
- Blue (35%)



- Red (35%)
- Yellow (45%)
- Blue (42%)



- Cyan (14%)
- Magenta (0%)
- Yellow (21%)
- Black (55%)



- Cyan (62%)
- Magenta (55%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8998, 15.3695, 11.9596 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 12.8998, 15.3695, 11.9596 by changing the saturation by 10% instead.

■ 12.8998, 15.3695,
11.9596

■ 12.8998, 15.3695,
11.9596

203.9251,
225.5919, 215.1061

■ 7.4361, 9.0791,
6.5940

■ 30.7265, 35.5001,
30.0848

■ 3.7850, 4.7928,
3.1349

■ 43.8202, 50.1091,
43.6814

■ 1.5813, 2.1262,
1.1639

■ 60.1880, 68.2598,
60.8588

■ 0.3801, 0.6793,
0.0000

■ 80.1952, 90.3365,
82.0355

■ 0.0000, 0.0000,
0.0000

104.2071,
116.7237, 107.6301

132.5892,

147.8057, 138.0610

165.7067,
183.9670, 173.7468

■ 12.8998, 15.3695,
11.9596

■ 12.8998, 15.3695,
11.9596

■ 11.6699, 14.7877,
9.5604

■ 14.2829, 16.0225,
14.7552

■ 10.5864, 14.2728,
7.5388

■ 15.8232, 16.7472,
17.9629

■ 9.6438, 13.8227,
5.8756

■ 17.5260, 17.5463,
21.5989

■ 8.8358, 13.4347,
4.5499

■ 19.3962, 18.4221,
25.6781

■ 8.1554, 13.1056,
3.5386

■ 21.4383, 19.3765,
30.2149

■ 7.5953, 12.8323,
2.8155

■ 23.6566, 20.4115,
35.2228

■ 7.1467, 12.6109,
2.3504

■ 26.0554, 21.5291,
40.7149

■ 6.8168, 12.4472,
2.0433

■ 28.6387, 22.7309,
46.7036

■ 31.4104, 24.0189,
53.2011

Harmonies

Analogous

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



14.0040, 15.3695, 10.5513



12.8998, 15.3695, 11.9596



12.2749, 15.3695, 14.7603

Triad

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



12.8998, 15.3695, 11.9596



13.9015, 15.3695, 24.8518



17.2516, 15.3695, 15.0406

Complementary

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



12.8998, 15.3695, 11.9596



12.6379, 11.5919, 17.4918

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.



17.2199, 15.3695, 18.8779



12.8998, 15.3695, 11.9596



15.2296, 15.3695, 24.9575

Square

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



12.8998, 15.3695, 11.9596



12.8287, 15.3695, 22.3668



16.4613, 15.3695, 22.6369



16.5452, 15.3695, 12.1377

Rectangle

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



12.8998, 15.3695, 11.9596



12.1890, 15.3695, 17.2252



16.4613, 15.3695, 22.6369



17.3282, 15.3695, 16.2537

Sweetspot

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



12.9002, 15.3702, 11.9599



26.3888, 28.7626, 28.5970



13.9396, 14.6243, 11.7612



6.0745, 6.6385, 6.5546



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.



12.9002, 15.3702, 11.9599



21.6433, 26.5238, 18.9962



12.2546, 15.0171, 12.8427



3.4401, 3.8122, 3.6279



7.5714, 13.8469, 2.2737



36.8859, 68.5494, 11.2873

Inverse Universe

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



12.6379, 11.5919, 17.4918



21.0984, 18.6863, 30.4703



13.4107, 12.0160, 16.3651



3.4116, 3.4005, 4.2308



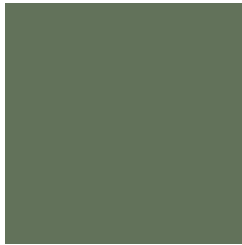
6.6813, 3.0538, 17.9589



32.3411, 14.7268, 89.4171

Previews

White Background



This preview shows how the XYZ color 12.8998, 15.3695, 11.9596 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 12.8998, 15.3695, 11.9596 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 12.8998, 15.3695, 11.9596

Background



This preview shows how black text looks on a background with the XYZ color 12.8998, 15.3695, 11.9596.



This preview shows how white text looks on a background with the XYZ color 12.8998, 15.3695,

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

12.8998, 15.3695, 11.9596

Protanopia

14.4325, 15.3549, 11.4356

Deuteranopia

15.5875, 15.3115, 12.2591



Tritanopia

14.4992, 15.3673, 19.6548

Trichromacy



Original Color

12.8998, 15.3695, 11.9596

Protanomaly

13.7943, 15.3414, 11.6853

Deuteranomaly

14.4533, 15.1935, 12.0684

Tritanomaly

13.7580, 15.2183, 16.3997

Monochromacy



Original Color

12.8998, 15.3695, 11.9596

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

13.3624, 14.7409, 14.1976

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8998, 15.3695, 11.9596 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(98, 114, 90) looks like.

```
.text, #text, p{  
    color:rgb(98, 114, 90)  
}
```

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(98, 114, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 114, 90) }
```

Border

The CSS property to change the border of an element to XYZ 12.8998, 15.3695, 11.9596 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(98, 114, 90) }
```


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

```
.border{ border-color:rgb(98, 114, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 114, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 114, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 114, 90);  
box-shadow:4px 4px 4px 4px rgb(98, 114,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 12.8998, 15.3695, 11.9596 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 114, 90) }
```

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

```
.background{ background-color: rgb(98, 114,  
90) }
```

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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