

Converting Colors

XYZ(12.7353, 15.3154, 18.2045)

Have a look what the booklet for
XYZ(12.7353, 15.3154, 18.2045)
contains.

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Color

**XYZ(12.7353, 15.3154,
18.2045)**

Conversions

Conversions Part 1

Format	Color
Hex	537372
RGB	83, 115, 114
RGB Percent	33%, 45%, 45%
CMY	0.6745, 0.5490, 0.5529
CMYK	0.28, 0.00, 0.01, 0.55
HSL	178°, 16%, 39%
HSV	178°, 28%, 45%
XYZ	12.7353, 15.3154, 18.2045
YIQ	105.3180, -18.7510, -7.0950

Conversions

Conversions Part 2

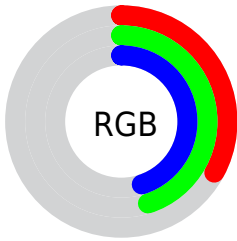
Format	Color
R_{YB}	83, 99, 115
Decimal	5469042
CIE Lab	46.06, -11.66, -3.17
CIE LCh	46, 12.083, 195.231
Yxy	15.3154, 0.2753, 0.3311
Android (android.graphics.Color)	4283659122 (0xFF537372)
YUV	105.3180, 4.2802, -19.5729
Hunter-Lab	39.1349, -10.3985, -0.1857

Details

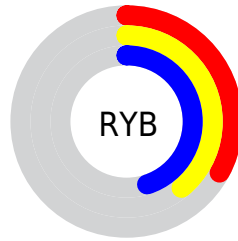
The XYZ color **12.7353, 15.3154, 18.2045** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **11.7643, 10.4719, 9.7894**, and the grayscale version is **13.5063, 14.2097, 15.4743**.

A 20% lighter version of the original color is **30.5332, 35.4589, 41.3114**, and **3.7181, 4.7827, 5.8815** is the 20% darker color. If you saturate the color by 10%, you get **11.7833, 14.8274, 18.0535**, and if you desaturate by 10%, it is **13.8566, 15.8915, 18.3645**.

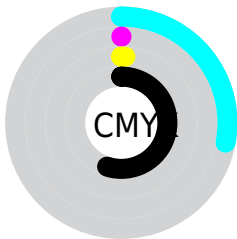
Distribution



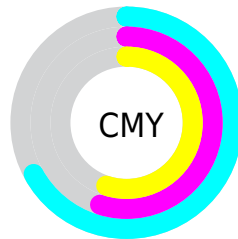
- Red (33%)
- Green (45%)
- Blue (45%)



- Red (33%)
- Yellow (39%)
- Blue (45%)



- Cyan (28%)
- Magenta (0%)
- Yellow (1%)
- Black (55%)



- Cyan (67%)
- Magenta (55%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7353, 15.3154, 18.2045 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 12.7353, 15.3154, 18.2045 by changing the saturation by 10% instead.

■ 12.7353, 15.3154,
18.2045

■ 12.7353, 15.3154,
18.2045

202.8863,
225.2674, 254.2959

■ 7.3223, 9.0410,
10.9259

■ 30.4328, 35.4055,
41.2041

■ 3.7126, 4.7680,
5.9035

■ 43.4480, 49.9901,
57.7623

■ 1.5408, 2.1118,
2.7187

■ 59.7279, 68.1135,
78.2507

■ 0.3534, 0.6712,
0.9528

■ 79.6379, 90.1602,
103.0879

■ 0.0000, 0.0000,
0.0000

■ 103.5434,
116.5146, 132.6925

131.8097,

147.5609, 167.4830

164.8022,
183.6837, 207.8780

■ 12.7353, 15.3154,
18.2045

■ 12.7353, 15.3154,
18.2045

■ 11.7833, 14.8274,
18.0535

■ 13.8566, 15.8915,
18.3645

■ 10.9910, 14.4213,
17.9101

■ 15.1536, 16.5577,
18.5328

■ 10.3499, 14.0931,
17.7742

■ 16.6340, 17.3185,
18.7101

■ 9.8499, 13.8377,
17.6453

■ 18.3046, 18.1773,
18.8967

■ 9.4802, 13.6494,
17.5229

■ 20.1720, 19.1376,
19.0930

■ 9.2279, 13.5217,
17.4064

■ 22.2422, 20.2024,
19.2992

■ 9.0581, 13.4365,
17.2942

■ 24.5213, 21.3749,
19.5156

■ 9.0225, 13.4186,
17.2699

■ 27.0149, 22.6580,
19.7424

■ 29.7284, 24.0544,
19.9800

Harmonies

Analogous

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



12.7315, 15.3154, 15.2768



12.7353, 15.3154, 18.2045



13.2114, 15.3154, 21.0167

Triad

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



12.7353, 15.3154, 18.2045



16.0027, 15.3154, 20.9791



15.0655, 15.3154, 11.7880

Complementary

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



12.7353, 15.3154, 18.2045



11.7643, 10.4719, 9.7894

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.



15.9907, 15.3154, 12.9781



12.7353, 15.3154, 18.2045



16.5487, 15.3154, 18.1578

Square

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



12.7353, 15.3154, 18.2045



15.0812, 15.3154, 22.7422



16.5443, 15.3154, 15.2353



14.0447, 15.3154, 11.7974

Rectangle

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



12.7353, 15.3154, 18.2045



13.7460, 15.3154, 22.3494



16.5443, 15.3154, 15.2353



15.3990, 15.3154, 12.0543

Sweetspot

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



12.7357, 15.3160, 18.2048



27.0391, 29.5996, 33.1733



11.3547, 14.7746, 10.4373



6.3762, 7.0232, 7.9046



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.



12.7357, 15.3160, 18.2048



21.7394, 26.8784, 32.4325



11.2259, 12.2045, 17.9844



3.7786, 4.1534, 4.6680



10.3127, 15.3391, 19.7344



50.1932, 74.7246, 95.8434

Inverse Universe

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



11.7643, 10.4719, 9.7894



19.7110, 16.7620, 14.8595



12.9936, 12.9928, 10.0070



3.6882, 3.7025, 3.8846



8.1038, 4.1752, 0.4888



39.4314, 20.3227, 2.0690

Previews

White Background



This preview shows how the XYZ color 12.7353, 15.3154, 18.2045 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 12.7353, 15.3154, 18.2045 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

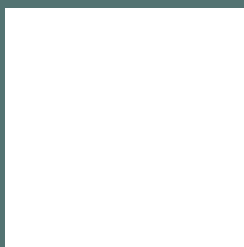
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.7353, 15.3154, 18.2045

Background



This preview shows how black text looks on a background with the XYZ color 12.7353, 15.3154, 18.2045.



This preview shows how white text looks on a background with the XYZ color 12.7353, 15.3154,

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

12.7353, 15.3154, 18.2045

Protanopia

14.6074, 15.1659, 16.9093

Deuteranopia

15.5089, 15.2820, 18.6553



Tritanopia

13.3388, 15.3960, 21.0076

Trichromacy



Original Color

12.7353, 15.3154, 18.2045

Protanomaly

13.8092, 15.2259, 17.2500

Deuteranomaly

14.2721, 15.1181, 18.3855

Tritanomaly

13.0636, 15.2755, 20.0292

Monochromacy



Original Color

12.7353, 15.3154, 18.2045

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

13.1052, 14.5614, 16.3073

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7353, 15.3154, 18.2045 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(83, 115, 114)` looks like.

```
.text, #text, p{  
    color:rgb(83, 115, 114)  
}
```

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(83, 115, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 115, 114) }
```

Border

The CSS property to change the border of an element to XYZ 12.7353, 15.3154, 18.2045 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(83, 115, 114) }
```


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

```
.border{ border-color:rgb(83, 115, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 115, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 115, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 115, 114);  
box-shadow:4px 4px 4px 4px rgb(83, 115,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7353, 15.3154, 18.2045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 115, 114) }
```

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

```
.background{ background-color: rgb(83, 115,  
114) }
```

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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