

Converting Colors

XYZ(13.7355, 16.6458, 20.5037)

Have a look what the booklet for
XYZ(13.7355, 16.6458, 20.5037)
contains.

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Color

**XYZ(13.7349, 16.6524,
20.5795)**

Conversions

Conversions Part 1

Format	Color
Hex	537879
RGB	83, 120, 121
RGB Percent	33%, 47%, 47%
CMY	0.6745, 0.5294, 0.5255
CMYK	0.31, 0.01, 0.00, 0.53
HSL	182°, 19%, 40%
HSV	182°, 31%, 47%
XYZ	13.7349, 16.6524, 20.5795
YIQ	109.0510, -22.3730, -7.5330

Conversions

Conversions Part 2

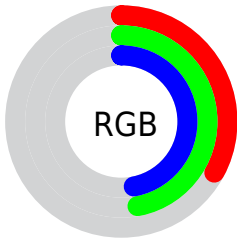
Format	Color
RYB	83, 102, 121
Decimal	5470329
CIELab	47.82, -12.70, -4.74
CIELCh	48, 13.558, 200.482
Yxy	16.6524, 0.2695, 0.3267
Android (android.graphics.Color)	4283660409 (0xFF537879)
YUV	109.0510, 5.8909, -22.8467
Hunter-Lab	40.8074, -11.3335, -1.3353

Details

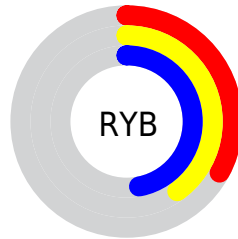
The XYZ color **13.7349, 16.6524, 20.5795** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.6170, 11.0302, 9.6479**, and the grayscale version is **14.5390, 15.2962, 16.6575**.

A 20% lighter version of the original color is **32.1269, 37.5905, 45.0976**, and **4.1490, 5.3448, 7.1163** is the 20% darker color. If you saturate the color by 10%, you get **12.7211, 16.0735, 20.5215**, and if you desaturate by 10%, it is **14.9362, 17.3289, 20.6471**.

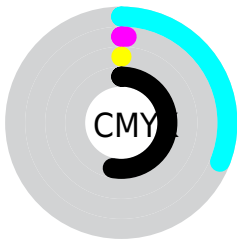
Distribution



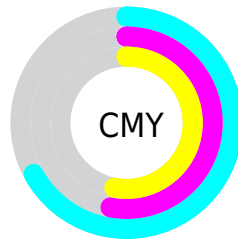
- Red (33%)
- Green (47%)
- Blue (47%)



- Red (33%)
- Yellow (40%)
- Blue (47%)



- Cyan (31%)
- Magenta (1%)
- Yellow (0%)
- Black (53%)



- Cyan (67%)
- Magenta (53%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.7349, 16.6524, 20.5795 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 13.7349, 16.6524, 20.5795 by changing the saturation by 10% instead.

■ 13.7349, 16.6524,
20.5795

■ 13.7349, 16.6524,
20.5795

209.1191,
233.1612, 267.7425

■ 8.0170, 9.9870,
12.6287

■ 32.2081, 37.7272,
45.2583

■ 4.1577, 5.3903,
7.0457

■ 45.6941, 52.9053,
62.8235

■ 1.7917, 2.4780,
3.4118

■ 62.5002, 71.6897,
84.4305

■ 0.5127, 0.8656,
1.3086

■ 82.9917, 94.4650,
110.4979

■ 0.0000, 0.0000,
0.0688

■ 107.5340,
121.6153, 141.4443

■ 0.0000, 0.0000,
0.0000

136.4924,

153.5252, 177.6881

170.2323,
190.5791, 219.6480

■ 13.7349, 16.6524,
20.5795

■ 13.7349, 16.6524,
20.5795

■ 12.7211, 16.0735,
20.5215

■ 14.9362, 17.3289,
20.6471

■ 11.8836, 15.5853,
20.4714

■ 16.3324, 18.1058,
20.7234

■ 11.2124, 15.1830,
20.4291

■ 17.9325, 18.9879,
20.8093

■ 10.6957, 14.8605,
20.3941

■ 19.7444, 19.9794,
20.9052

■ 10.3204, 14.6111,
20.3657

■ 21.7756, 21.0841,
21.0114

■ 10.0710, 14.4268,
20.3433

■ 24.0331, 22.3058,
21.1282

■ 9.9087, 14.2953,
20.3265

■ 26.5239, 23.6478,
21.2560

■ 29.2543, 25.1136,
21.3950

■ 32.2308, 26.7064,
21.5455

Harmonies

Analogous

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



13.6299, 16.6524, 17.0457



13.7349, 16.6524, 20.5795



14.3846, 16.6524, 23.8092

Triad

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



13.7349, 16.6524, 20.5795



17.7025, 16.6524, 22.7397



16.2178, 16.6524, 12.2921

Complementary

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



13.7349, 16.6524, 20.5795



12.6170, 11.0302, 9.6479

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.



17.3640, 16.6524, 13.4371



13.7349, 16.6524, 20.5795



18.2497, 16.6524, 19.2627

Square

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



13.7349, 16.6524, 20.5795



16.6607, 16.6524, 25.1631



18.1228, 16.6524, 15.8860



15.0227, 16.6524, 12.5497

Rectangle

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



13.7349, 16.6524, 20.5795



15.0585, 16.6524, 25.2111



18.1228, 16.6524, 15.8860



16.6225, 16.6524, 12.5196

Sweetspot

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



13.7354, 16.6531, 20.5799



29.8394, 32.7501, 37.1416



11.9908, 16.1484, 10.7976



6.7477, 7.4468, 8.4884



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



13.7354, 16.6531, 20.5799



23.1957, 29.0222, 36.7722



11.7081, 12.5985, 19.9041



4.0985, 4.4952, 5.0948



10.6171, 15.3167, 21.7821



50.5420, 72.8567, 103.8687

Inverse Universe

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



14.3689, 11.6078, 19.2533



24.5350, 18.4367, 33.9499



14.2606, 14.3175, 10.1958



4.1502, 4.0758, 4.9884



11.9424, 5.7531, 18.7853



56.9144, 27.4221, 89.3343

Previews

White Background



This preview shows how the XYZ color 13.7349, 16.6524, 20.5795 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 13.7349, 16.6524, 20.5795 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

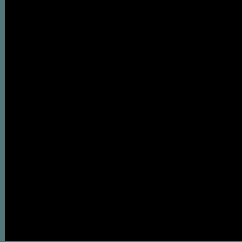
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.7349, 16.6524, 20.5795

Background



This preview shows how black text looks on a background with the XYZ color 13.7349, 16.6524, 20.5795.



This preview shows how white text looks on a background with the XYZ color 13.7349, 16.6524,

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

13.7349, 16.6524, 20.5795

Protanopia

15.8860, 16.4267, 18.8564

Deuteranopia

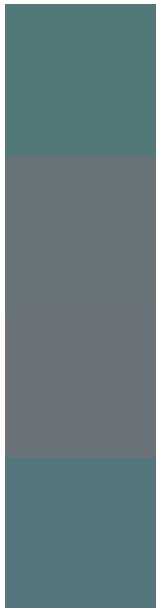
16.7588, 16.5039, 21.0412



Tritanopia

14.2394, 16.6835, 22.8918

Trichromacy



Original Color

13.7349, 16.6524, 20.5795

Protanomaly

14.9943, 16.4530, 19.5250

Deuteranomaly

15.4740, 16.5039, 20.7824

Tritanomaly

13.9547, 16.5591, 21.8628

Monochromacy



Original Color

13.7349, 16.6524, 20.5795

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

14.1413, 15.7118, 17.9101

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7349, 16.6524, 20.5795 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, 120, 121)` looks like.

```
.text, #text, p{  
    color:rgb(83, 120, 121)  
}
```

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, 120, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 120, 121) }
```

Border

The CSS property to change the border of an element to XYZ 13.7349, 16.6524, 20.5795 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, 120, 121) }
```


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

```
.border{ border-color:rgb(83, 120, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 120, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 120, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 120, 121);  
box-shadow:4px 4px 4px 4px rgb(83, 120,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 13.7349, 16.6524, 20.5795 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 120, 121) }
```

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

```
.background{ background-color: rgb(83, 120,  
121) }
```

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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