

Converting Colors

XYZ(37.5854, 48.0525, 55.3037)

Have a look what the booklet for
XYZ(37.5854, 48.0525, 55.3037)
contains.

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Color

**XYZ(37.6090, 47.9666,
55.4204)**

Conversions

Conversions Part 1

Format	Color
Hex	7DC5BD
RGB	125, 197, 189
RGB Percent	49%, 77%, 74%
CMY	0.5098, 0.2274, 0.2588
CMYK	0.37, 0.00, 0.04, 0.23
HSL	173°, 38%, 63%
HSV	173°, 37%, 77%
XYZ	37.6090, 47.9666, 55.4204
YIQ	174.5600, -40.3440, -17.7520

Conversions

Conversions Part 2

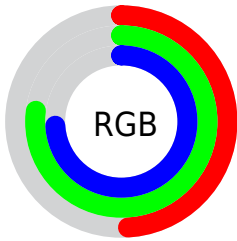
Format	Color
RYB	125, 163, 197
Decimal	8242621
CIELab	74.80, -24.32, -3.13
CIELCh	75, 24.521, 187.328
Yxy	47.9666, 0.2667, 0.3402
Android (android.graphics.Color)	4286432701 (0xFF7DC5BD)
YUV	174.5600, 7.1189, -43.4641
Hunter-Lab	69.2579, -24.2708, 1.0365

Details

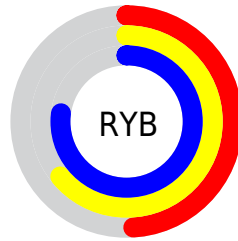
The XYZ color **37.6090, 47.9666, 55.4204** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **34.5949, 28.2323, 25.8181**, and the grayscale version is **40.5008, 42.6099, 46.4022**.

A 20% lighter version of the original color is **70.7456, 87.1795, 99.4848**, and **16.8649, 22.7621, 26.7972** is the 20% darker color. If you saturate the color by 10%, you get **34.7779, 46.5356, 54.0575**, and if you desaturate by 10%, it is **41.0169, 49.6970, 56.8311**.

Distribution



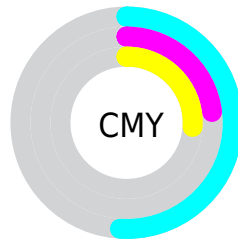
- Red (49%)
- Green (77%)
- Blue (74%)



- Red (49%)
- Yellow (64%)
- Blue (77%)



- Cyan (37%)
- Magenta (0%)
- Yellow (4%)
- Black (23%)





- Cyan (51%)
- Magenta (23%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.6090, 47.9666, 55.4204 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 37.6090, 47.9666, 55.4204 by changing the saturation by 10% instead.


 37.6090, 47.9666,
55.4204


 37.6090, 47.9666,
55.4204


327.2496,
378.6597, 424.8303


 25.8552, 33.8004,
39.3375


 70.8162, 87.1547,
99.6340

 16.8475, 22.7403,
26.7126

 93.0003, 112.9454,
128.6017

 10.2204, 14.4019,
17.1269


 119.3919,
143.3797, 162.7015

 5.6087, 8.4007,
10.1621

150.3564,
178.8421, 202.3520

 2.6470, 4.3524,
5.3996

186.2590,
219.7169, 247.9715

 0.9700, 1.8726,
2.4208

227.4652,

 0.0000, 0.5318,

266.3885, 299.9787

0.7977

274.3403,
319.2413, 358.7921

■ 0.0000, 0.0000,
0.0000

■ 37.6090, 47.9666,
55.4204

■ 37.6090, 47.9666,
55.4204

■ 34.7779, 46.5356,
54.0575

■ 41.0169, 49.6970,
56.8311

■ 32.4854, 45.3806,
52.7374

■ 45.0285, 51.7369,
58.2878

■ 30.6955, 44.4843,
51.4594

■ 49.6740, 54.1033,
59.7931

■ 29.3659, 43.8249,
50.2215

■ 54.9806, 56.8100,
61.3484

■ 28.4473, 43.3769,
49.0211

■ 60.9736, 59.8701,
62.9547

■ 27.8753, 43.1073,
47.8554

■ 67.6771, 63.2961,
64.6135

■ 27.7156, 43.0336,
47.4589

■ 72.1455, 65.5695,
66.1869

■ 72.4106, 65.6756,
67.5828

■ 72.6794, 65.7831,
68.9983

Harmonies

Analogous

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



38.1323, 47.9666, 43.3275



37.6090, 47.9666, 55.4204



39.1107, 47.9666, 68.5664

Triad

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



37.6090, 47.9666, 55.4204



50.9867, 47.9666, 74.2734



48.9742, 47.9666, 32.6980

Complementary

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



37.6090, 47.9666, 55.4204



34.5949, 28.2323, 25.8181

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.



52.7498, 47.9666, 38.7151



37.6090, 47.9666, 55.4204



53.9635, 47.9666, 62.2697

Square

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



37.6090, 47.9666, 55.4204



46.6925, 47.9666, 80.5451



54.6289, 47.9666, 49.1596



44.5066, 47.9666, 31.4724

Rectangle

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



37.6090, 47.9666, 55.4204



41.1197, 47.9666, 75.7286



54.6289, 47.9666, 49.1596



50.3749, 47.9666, 34.1736

Sweetspot

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



37.6104, 47.9685, 55.4215



84.9749, 94.8636, 105.8297



33.4055, 46.4343, 26.6050



17.9441, 20.1804, 22.5726



0.0000, 0.0000, 0.0000



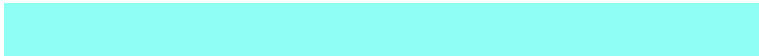
20.3446, 21.4041, 23.3091

Same Dimension

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



37.6104, 47.9685, 55.4215



63.1599, 83.7845, 97.2656



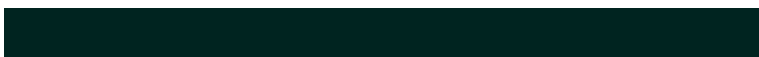
32.7994, 36.9178, 58.2226



10.8940, 12.0465, 13.3918



18.2483, 28.3117, 31.3160



0.8789, 1.3465, 1.5611

Inverse Universe

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



34.5949, 28.2323, 25.8181



56.9716, 43.2206, 36.4690



38.0551, 36.0043, 24.3468



10.6810, 10.6558, 11.3034



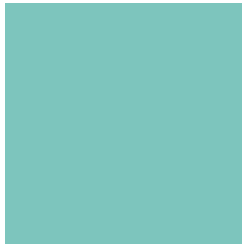
15.2556, 7.8518, 1.2897



0.7389, 0.3784, 0.1480

Previews

White Background



This preview shows how the XYZ color 37.6090, 47.9666, 55.4204 looks on a white background.

Color Contrast Check

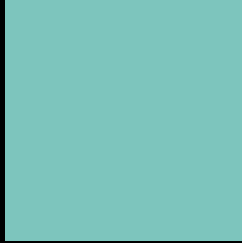
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 37.6090, 47.9666, 55.4204 looks on a black 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 ✓ Pass

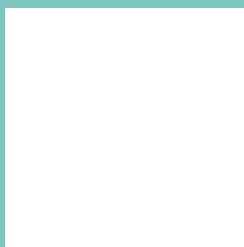
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.6090, 47.9666, 55.4204

Background



This preview shows how black text looks on a background with the XYZ color 37.6090, 47.9666, 55.4204.

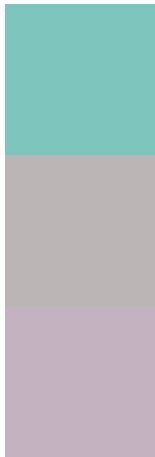


This preview shows how white text looks on a background with the XYZ color 37.6090, 47.9666,

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

37.6090, 47.9666, 55.4204

Protanopia

45.5620, 47.3569, 50.4555

Deuteranopia

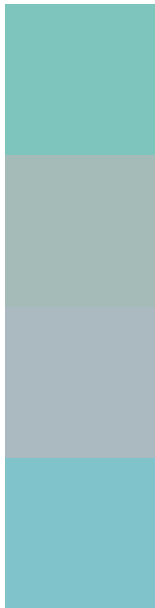
48.5720, 47.5614, 57.0723



Tritanopia

40.1306, 47.9825, 68.1192

Trichromacy



Original Color

37.6090, 47.9666, 55.4204

Protanomaly

41.7319, 46.8939, 52.1993

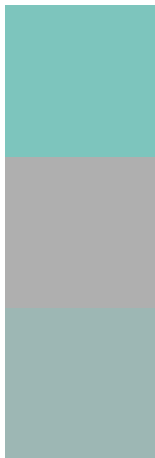
Deuteranomaly

43.6580, 47.1616, 56.6713

Tritanomaly

39.0779, 47.8837, 63.0600

Monochromacy



Original Color

37.6090, 47.9666, 55.4204

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

39.0763, 44.3304, 49.6771

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.6090, 47.9666, 55.4204 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(125, 197, 189)` looks like.

```
.text, #text, p{  
    color:rgb(125, 197, 189)  
}
```

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(125, 197, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 197, 189) }
```

Border

The CSS property to change the border of an element to XYZ 37.6090, 47.9666, 55.4204 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(125, 197, 189) }
```


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

```
.border{ border-color:rgb(125, 197, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 197, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 197, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 197, 189);  
box-shadow:4px 4px 4px 4px rgb(125, 197,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 37.6090, 47.9666, 55.4204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 197, 189) }
```

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

```
.background{ background-color: rgb(125,  
197, 189) }
```

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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