

Converting Colors

XYZ(37.7721, 53.4222, 42.2747)

Have a look what the booklet for
XYZ(37.7721, 53.4222, 42.2747)
contains.

XYZ(37.7010, 53.2621, 42.4760)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(37.7010, 53.2621,
42.4760)**

Conversions

Conversions Part 1

Format	Color
Hex	79D3A2
RGB	121, 211, 162
RGB Percent	47%, 83%, 64%
CMY	0.5255, 0.1725, 0.3647
CMYK	0.43, 0.00, 0.23, 0.17
HSL	147°, 51%, 65%
HSV	147°, 43%, 83%
XYZ	37.7010, 53.2621, 42.4760
YIQ	178.5040, -37.9110, -34.3190

Conversions

Conversions Part 2

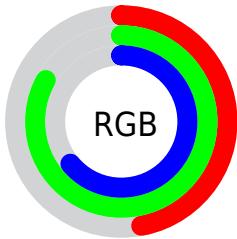
Format	Color
RYB	121, 183, 211
Decimal	7984034
CIELab	78.03, -37.93, 15.98
CIELCh	78, 41.156, 157.147
Yxy	53.2621, 0.2825, 0.3991
Android (android.graphics.Color)	4286174114 (0xFF79D3A2)
YUV	178.5040, -8.1365, -50.4310
Hunter-Lab	72.9809, -35.5057, 16.5789

Details

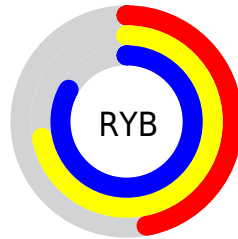
The XYZ color **37.7010, 53.2621, 42.4760** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **40.9588, 30.4271, 41.7464**, and the grayscale version is **42.6414, 44.8620, 48.8548**.

A 20% lighter version of the original color is **66.4158, 85.8769, 78.7210**, and **16.9497, 26.0610, 18.8888** is the 20% darker color. If you saturate the color by 10%, you get **34.0864, 51.5128, 37.2179**, and if you desaturate by 10%, it is **42.0585, 55.3865, 48.2582**.

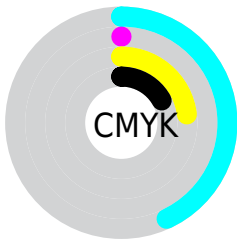
Distribution



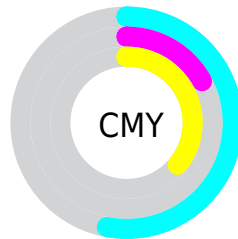
- Red (47%)
- Green (83%)
- Blue (64%)



- Red (47%)
- Yellow (72%)
- Blue (83%)



- Cyan (43%)
- Magenta (0%)
- Yellow (23%)
- Black (17%)



- Cyan (53%)
- Magenta (17%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.7010, 53.2621, 42.4760 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 37.7010, 53.2621, 42.4760 by changing the saturation by 10% instead.

■ 37.7010, 53.2621,
42.4760

■ 37.7010, 53.2621,
42.4760

327.6387,
399.2899, 372.3101

■ 25.9269, 38.0120,
29.1458

■ 70.9565, 94.9899,
80.1974

■ 16.9013, 25.9920,
18.9446

■ 93.1685, 122.2365,
105.4257

■ 10.2590, 16.8177,
11.4539

■ 119.5906,
154.2507, 135.4571

■ 5.6346, 10.1046,
6.2550

150.5880,
191.4169, 170.7102

■ 2.6627, 5.4684,
2.9295

186.5262,
234.1195, 211.6035

■ 0.9780, 2.5246,
1.0587

227.7705,

■ 0.0000, 0.8889,

282.7430, 258.5556

0.0000

274.6862,
337.6716, 311.9849

■ 0.0000, 0.0000,
0.0000

■ 37.7010, 53.2621,
42.4760

■ 37.7010, 53.2621,
42.4760

■ 34.0864, 51.5128,
37.2179

■ 42.0585, 55.3865,
48.2582

■ 31.1652, 50.1091,
32.4653

■ 47.1957, 57.9003,
54.5753

■ 28.8887, 49.0274,
28.2034


■ 53.1521, 60.8251,
61.4424


■ 27.1992, 48.2385,
24.4154


■ 59.9631, 64.1789,
68.8727


■ 26.0278, 47.7072,
21.0832


■ 67.6621, 67.9787,
76.8790

 25.4122, 47.4373,
18.9127

 76.2806, 72.2403,
85.4737

 80.6253, 74.2865,
94.4244

 82.4098, 75.0003,
103.8214

 82.5852, 75.0705,
104.7451

Harmonies

Analogous

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



41.8707, 53.2621, 29.4316



37.7010, 53.2621, 42.4760



36.8120, 53.2621, 63.6641

Triad

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



37.7010, 53.2621, 42.4760



52.5672, 53.2621, 113.7830



63.9384, 53.2621, 35.2021

Complementary

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



37.7010, 53.2621, 42.4760



40.9588, 30.4271, 41.7464

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.



67.5197, 53.2621, 52.6698



37.7010, 53.2621, 42.4760



60.5195, 53.2621, 100.8027

Square

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



37.7010, 53.2621, 42.4760



44.8678, 53.2621, 108.9574



66.2067, 53.2621, 76.8930



56.8526, 53.2621, 26.0719

Rectangle

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



37.7010, 53.2621, 42.4760



38.1037, 53.2621, 80.5704



66.2067, 53.2621, 76.8930



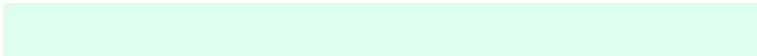
65.6243, 53.2621, 40.0850

Sweetspot

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



37.7024, 53.2643, 42.4772



81.1172, 93.1375, 93.7855



43.4331, 56.5732, 26.7203



16.9049, 19.7103, 19.5566



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.



37.7024, 53.2643, 42.4772



52.8822, 79.3450, 57.9818



42.3826, 55.1363, 67.1225



11.8770, 13.2946, 13.7089



15.3859, 28.6473, 11.6785



0.9001, 1.6177, 0.8625

Inverse Universe

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



40.9588, 30.4271, 41.7464



58.5034, 39.8890, 56.6952



37.4365, 29.0182, 23.1986



12.0741, 11.9144, 13.6660



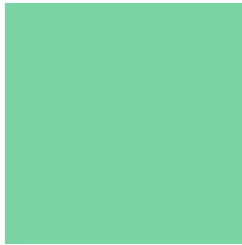
18.1281, 9.1241, 10.8467



1.0534, 0.5261, 0.8159

Previews

White Background



This preview shows how the XYZ color 37.7010, 53.2621, 42.4760 looks on a white background.

Color Contrast Check

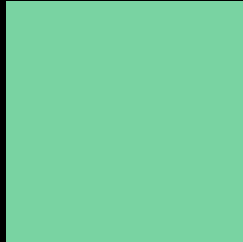
Large Text (above 18pt) WCAG AA × Fail

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 37.7010, 53.2621, 42.4760 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

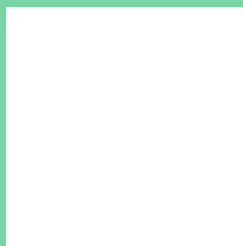
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.7010, 53.2621, 42.4760

Background



This preview shows how black text looks on a background with the XYZ color 37.7010, 53.2621, 42.4760.



This preview shows how white text looks on a background with the XYZ color 37.7010, 53.2621,

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

37.7010, 53.2621, 42.4760

Protanopia

49.5012, 52.8366, 37.7265

Deuteranopia

53.6303, 52.5851, 44.3691



Tritanopia

44.2659, 53.0301, 75.6129

Trichromacy



Original Color

37.7010, 53.2621, 42.4760



Protanomaly

43.8797, 52.2458, 39.2242



Deuteranomaly

45.7032, 51.4040, 43.5895



Tritanomaly

41.5860, 53.0120, 62.0733

Monochromacy



Original Color

37.7010, 53.2621, 42.4760



Achromatopsia

42.8472, 45.0786, 49.0906



Achromatomaly

40.2742, 47.5478, 46.5901

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7010, 53.2621, 42.4760 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(121, 211, 162)` looks like.

```
.text, #text, p{  
    color:rgb(121, 211, 162)  
}
```

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(121, 211, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 211, 162) }
```

Border

The CSS property to change the border of an element to XYZ 37.7010, 53.2621, 42.4760 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(121, 211, 162) }
```


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

```
.border{ border-color:rgb(121, 211, 162) }
```

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

Here you see how a box with a 4 pixel rgb(121, 211, 162) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 211, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 211, 162);  
box-shadow:4px 4px 4px 4px rgb(121, 211,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7010, 53.2621, 42.4760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 211, 162) }
```

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

```
.background{ background-color: rgb(121,  
211, 162) }
```

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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