

Converting Colors

XYZ(12.7153, 20.1750, 14.5776)

Have a look what the booklet for
XYZ(12.7153, 20.1750, 14.5776)
contains.

XYZ(12.7547, 20.2476, 14.5452)	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(12.7547, 20.2476,
14.5452)**

Conversions

Conversions Part 1

Format	Color
Hex	308C61
RGB	48, 140, 97
RGB Percent	19%, 55%, 38%
CMY	0.8118, 0.4510, 0.6196
CMYK	0.66, 0.00, 0.31, 0.45
HSL	152°, 49%, 37%
HSV	152°, 66%, 55%
XYZ	12.7547, 20.2476, 14.5452
YIQ	107.5900, -41.0290, -32.8770

Conversions

Conversions Part 2

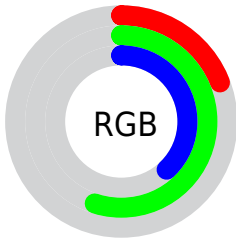
Format	Color
R_{YB}	48, 108, 140
Decimal	3181665
CIE _{Lab}	52.12, -37.62, 15.20
CIE _{LCh}	52, 40.574, 157.996
Yxy	20.2476, 0.2683, 0.4258
Android (android.graphics.Color)	4281371745 (0xFF308C61)
YUV	107.5900, -5.2209, -52.2604
Hunter-Lab	44.9973, -28.1487, 12.3329

Details

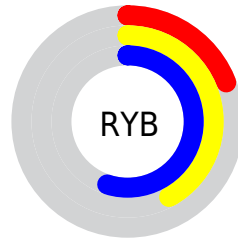
The XYZ color **12.7547, 20.2476, 14.5452** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **13.7612, 8.4452, 10.8032**, and the grayscale version is **14.1620, 14.8996, 16.2256**.

A 20% lighter version of the original color is **30.4628, 43.7249, 34.8512**, and **4.1481, 7.3750, 4.2225** is the 20% darker color. If you saturate the color by 10%, you get **11.9032, 19.8430, 12.9780**, and if you desaturate by 10%, it is **13.8409, 20.7714, 16.2557**.

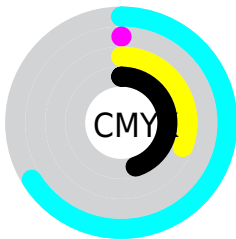
Distribution



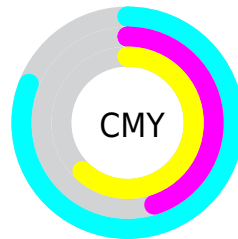
- Red (19%)
- Green (55%)
- Blue (38%)



- Red (19%)
- Yellow (42%)
- Blue (55%)



- Cyan (66%)
- Magenta (0%)
- Yellow (31%)
- Black (45%)



- Cyan (81%)
- Magenta (45%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7547, 20.2476, 14.5452 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 12.7547, 20.2476, 14.5452 by changing the saturation by 10% instead.

12.7547, 20.2476,
14.5452

12.7547, 20.2476,
14.5452

203.0091,
253.2524, 232.1418

7.3357, 12.5752,
8.3578

30.4675, 43.8319,
34.7843

3.7211, 7.1367,
4.2337

43.4919, 60.5126,
49.6730

1.5456, 3.5477,
1.7544

59.7822, 80.9648,
68.2992

0.3565, 1.4239,
0.3976

79.7038, 105.5729,
91.0815

0.0000, 0.2343,
0.0000

103.6218,
134.7213, 118.4383

0.0000, 0.0000,
0.0000

131.9019,

168.7944, 150.7883

164.9091,
208.1766, 188.5500

■ 12.7547, 20.2476,
14.5452

■ 12.7547, 20.2476,
14.5452

■ 11.9032, 19.8430,
12.9780

■ 13.8409, 20.7714,
16.2557

■ 11.2638, 19.5444,
11.5486

■ 15.1785, 21.4212,
18.1120

■ 10.8062, 19.3367,
10.2527

■ 16.7846, 22.2064,
20.1183

■ 10.6336, 19.2589,
9.7356

■ 18.6740, 23.1347,
22.2781

■ 20.8607, 24.2129,
24.5949

■ 23.3576, 25.4479,
27.0719

■ 26.1767, 26.8456,
29.7124

■ 29.3296, 28.4121,
32.5195

■ 32.8271, 30.1529,
35.4960

Harmonies

Analogous

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



14.7391, 20.2476, 8.4968



12.7547, 20.2476, 14.5452



12.3757, 20.2476, 25.3797

Triad

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



12.7547, 20.2476, 14.5452



20.3760, 20.2476, 53.2986



26.2419, 20.2476, 10.7593

Complementary

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



12.7547, 20.2476, 14.5452



13.7612, 8.4452, 10.8032

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.



28.2763, 20.2476, 19.0181



12.7547, 20.2476, 14.5452



24.5860, 20.2476, 45.4010

Square

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



12.7547, 20.2476, 14.5452



16.4075, 20.2476, 50.7424



27.6304, 20.2476, 31.7637



22.3916, 20.2476, 6.9223

Rectangle

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



12.7547, 20.2476, 14.5452



13.0245, 20.2476, 34.6055



27.6304, 20.2476, 31.7637



27.1843, 20.2476, 12.9657

Sweetspot

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



12.7552, 20.2484, 14.5457



34.8951, 41.7582, 41.4023



14.3727, 21.2699, 6.1446



7.8230, 9.5148, 9.3079



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



12.7552, 20.2484, 14.5457



20.3826, 34.6999, 21.6020



15.1088, 20.8338, 28.0369



5.0759, 5.6498, 5.9205



9.4581, 17.1158, 8.7030



0.0702, 0.1167, 0.0968

Inverse Universe

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



13.7612, 8.4452, 10.8032



22.3048, 12.2347, 14.5164



12.4701, 8.0308, 3.6895



5.1238, 5.0850, 5.7403



10.4787, 5.3016, 5.0253



0.0769, 0.0381, 0.0718

Previews

White Background



This preview shows how the XYZ color 12.7547, 20.2476, 14.5452 looks on a white 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

Black Background



This preview shows how the XYZ color 12.7547, 20.2476, 14.5452 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 × Fail

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

XYZ 12.7547, 20.2476, 14.5452

Background



This preview shows how black text looks on a background with the XYZ color 12.7547, 20.2476, 14.5452.



This preview shows how white text looks on a background with the XYZ color 12.7547, 20.2476,

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

12.7547, 20.2476, 14.5452

Protanopia

18.6013, 19.8906, 12.5317

Deuteranopia

20.3228, 19.9926, 15.3582



Tritanopia

15.8159, 20.2183, 29.8570

Trichromacy



Original Color

12.7547, 20.2476, 14.5452

Protanomaly

15.3055, 19.3156, 13.2775

Deuteranomaly

16.0740, 19.2870, 14.9322

Tritanomaly

14.5041, 20.0966, 23.5367

Monochromacy



Original Color

12.7547, 20.2476, 14.5452

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

13.0529, 16.4109, 15.5764

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7547, 20.2476, 14.5452 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(48, 140, 97)` looks like.

```
.text, #text, p{  
    color:rgb(48, 140, 97)  
}
```

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(48, 140, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 140, 97) }
```

Border

The CSS property to change the border of an element to XYZ 12.7547, 20.2476, 14.5452 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(48, 140, 97) }
```


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

```
.border{ border-color:rgb(48, 140, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 140, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 140, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 140, 97);  
box-shadow:4px 4px 4px 4px rgb(48, 140,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7547, 20.2476, 14.5452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 140, 97) }
```

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

```
.background{ background-color: rgb(48, 140,  
97) }
```

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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