

Converting Colors

XYZ(12.8954, 20.6540, 10.1922)

Have a look what the booklet for
XYZ(12.8954, 20.6540, 10.1922)
contains.

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Color

**XYZ(12.8793, 20.6283,
10.1403)**

Conversions

Conversions Part 1

Format	Color
Hex	3F8D4C
RGB	63, 141, 76
RGB Percent	25%, 55%, 30%
CMY	0.7529, 0.4470, 0.7020
CMYK	0.55, 0.00, 0.46, 0.45
HSL	130°, 38%, 40%
HSV	130°, 55%, 55%
XYZ	12.8793, 20.6283, 10.1403
YIQ	110.2680, -25.6230, -36.7510

Conversions

Conversions Part 2

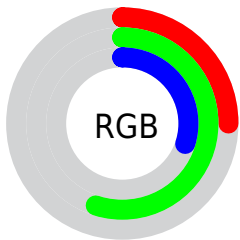
Format	Color
R_{YB}	63, 130, 141
Decimal	4164940
CIE _{Lab}	52.54, -38.62, 27.52
CIE _{LCh}	53, 47.418, 144.527
Yxy	20.6283, 0.2951, 0.4726
Android (android.graphics.Color)	4282355020 (0xFF3F8D4C)
YUV	110.2680, -16.8941, -41.4540
Hunter-Lab	45.4184, -28.8649, 18.5555

Details

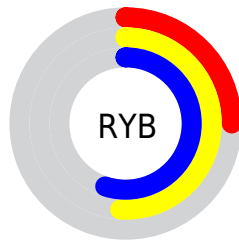
The XYZ color **12.8793, 20.6283, 10.1403** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **16.6590, 10.7767, 21.6250**, and the grayscale version is **14.9508, 15.7294, 17.1293**.

A 20% lighter version of the original color is **30.6171, 44.3185, 26.6793**, and **3.8905, 7.4061, 2.4528** is the 20% darker color. If you saturate the color by 10%, you get **11.7197, 20.0741, 8.1451**, and if you desaturate by 10%, it is **14.3452, 21.3330, 12.5403**.

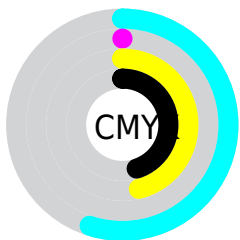
Distribution



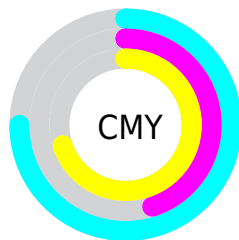
- Red (25%)
- Green (55%)
- Blue (30%)



- Red (25%)
- Yellow (51%)
- Blue (55%)



- Cyan (55%)
- Magenta (0%)
- Yellow (46%)
- Black (45%)



- Cyan (75%)
- Magenta (45%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8793, 20.6283, 10.1403 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 12.8793, 20.6283, 10.1403 by changing the saturation by 10% instead.

■ 12.8793, 20.6283,
10.1403

■ 12.8793, 20.6283,
10.1403

203.7959,
255.2965, 202.1916

■ 7.4219, 12.8526,
5.3853

■ 30.6899, 44.4681,
26.6710

■ 3.7760, 7.3271,
2.4124

■ 43.7739, 61.3010,
39.2837

■ 1.5762, 3.6675,
0.7932

■ 60.1307, 81.9217,
55.3528

■ 0.3768, 1.4894,
0.0000

■ 80.1258, 106.7146,
75.2967

■ 0.0000, 0.2812,
0.0000

■ 104.1246,
136.0641, 99.5339

■ 0.0000, 0.0000,
0.0000

132.4922,

170.3547, 128.4832

165.5943,
209.9707, 162.5629

■ 12.8793, 20.6283,
10.1403

■ 12.8793, 20.6283,
10.1403

■ 11.7197, 20.0741,
8.1451

■ 14.3452, 21.3330,
12.5403

■ 10.8428, 19.6568,
6.5310

■ 16.1358, 22.1954,
15.3643

■ 10.2241, 19.3651,
5.2741

■ 18.2697, 23.2254,
18.6319

■ 9.8297, 19.1818,
4.3468

■ 20.7637, 24.4311,
22.3610

■ 9.6850, 19.1144,
4.0162

■ 23.6335, 25.8204,
26.5687

■ 26.8938, 27.4005,
31.2711

■ 30.5587, 29.1782,
36.4835

■ 34.6414, 31.1601,
42.2206

■ 39.1545, 33.3525,
48.4966

Harmonies

Analogous

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



15.9428, 20.6283, 5.7496



12.8793, 20.6283, 10.1403



11.6304, 20.6283, 19.9794

Triad

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



12.8793, 20.6283, 10.1403



18.7199, 20.6283, 61.5569



29.5107, 20.6283, 13.0025

Complementary

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



12.8793, 20.6283, 10.1403



16.6590, 10.7767, 21.6250

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.



30.5858, 20.6283, 25.1394



12.8793, 20.6283, 10.1403



23.7926, 20.6283, 57.1308

Square

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



12.8793, 20.6283, 10.1403



14.6224, 20.6283, 52.4592



28.3438, 20.6283, 42.0884



25.6114, 20.6283, 6.8532

Rectangle

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



12.8793, 20.6283, 10.1403



11.8140, 20.6283, 29.9483



28.3438, 20.6283, 42.0884



30.2390, 20.6283, 16.3384

Sweetspot

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



12.8798, 20.6292, 10.1408



36.2155, 43.2825, 38.6086



19.5218, 24.1003, 8.3258



7.9129, 9.5822, 8.3615



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.



12.8798, 20.6292, 10.1408



20.6175, 35.7716, 13.9249



14.5956, 21.3155, 19.1759



5.3773, 6.0431, 5.9527



8.8349, 17.4298, 3.6845



0.0900, 0.1689, 0.0645

Inverse Universe

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



16.6590, 10.7767, 21.6250



28.0644, 16.2914, 36.5058



14.6209, 9.9615, 10.8925



5.5882, 5.4958, 6.5954



12.9754, 6.3472, 16.0536



0.1307, 0.0633, 0.1884

Previews

White Background



This preview shows how the XYZ color 12.8793, 20.6283, 10.1403 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 12.8793, 20.6283, 10.1403 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 12.8793, 20.6283, 10.1403

Background



This preview shows how black text looks on a background with the XYZ color 12.8793, 20.6283, 10.1403.



This preview shows how white text looks on a background with the XYZ color 12.8793, 20.6283,

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

12.8793, 20.6283, 10.1403

Protanopia

18.7556, 20.4278, 8.7488

Deuteranopia

20.6597, 20.2718, 10.6085



Tritanopia

16.7298, 20.4941, 29.4596

Trichromacy



Original Color

12.8793, 20.6283, 10.1403

Protanomaly

15.7164, 20.0155, 9.1659

Deuteranomaly

16.4719, 19.5948, 10.3112

Tritanomaly

14.9580, 20.3961, 20.6012

Monochromacy



Original Color

12.8793, 20.6283, 10.1403

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

13.5562, 16.8837, 14.0997

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8793, 20.6283, 10.1403 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(63, 141, 76)` looks like.

```
.text, #text, p{  
    color:rgb(63, 141, 76)  
}
```

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(63, 141, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 141, 76) }
```

Border

The CSS property to change the border of an element to XYZ 12.8793, 20.6283, 10.1403 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(63, 141, 76) }
```


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

```
.border{ border-color:rgb(63, 141, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 141, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 141, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 141, 76);  
box-shadow:4px 4px 4px 4px rgb(63, 141,  
76) }
```

Background

The CSS property to change the background color of an element to XYZ 12.8793, 20.6283, 10.1403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 141, 76) }
```

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

```
.background{ background-color: rgb(63, 141,  
76) }
```

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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