

Converting Colors

XYZ(12.1491, 20.0791, 13.0238)

Have a look what the booklet for
XYZ(12.1491, 20.0791, 13.0238)
contains.

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Color

**XYZ(12.2499, 20.2364,
13.1579)**

Conversions

Conversions Part 1

Format	Color
Hex	278D5B
RGB	39, 141, 91
RGB Percent	15%, 55%, 36%
CMY	0.8470, 0.4470, 0.6431
CMYK	0.72, 0.00, 0.35, 0.45
HSL	151°, 57%, 35%
HSV	151°, 72%, 55%
XYZ	12.2499, 20.2364, 13.1579
YIQ	104.8020, -44.7420, -37.1740

Conversions

Conversions Part 2

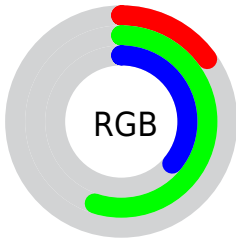
Format	Color
R_{YB}	39, 107, 141
Decimal	2592091
CIE _{Lab}	52.10, -40.99, 18.54
CIE _{LCh}	52, 44.986, 155.661
Yxy	20.2364, 0.2684, 0.4434
Android (android.graphics.Color)	4280782171 (0xFF278D5B)
YUV	104.8020, -6.8044, -57.7084
Hunter-Lab	44.9849, -30.1160, 14.1473

Details

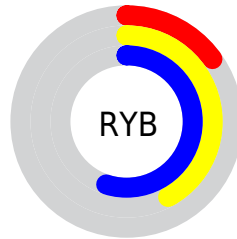
The XYZ color **12.2499, 20.2364, 13.1579** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **13.5139, 7.8355, 10.2521**, and the grayscale version is **13.4007, 14.0985, 15.3533**.

A 20% lighter version of the original color is **29.4684, 43.6059, 32.0629**, and **4.1298, 7.5018, 3.7129** is the 20% darker color. If you saturate the color by 10%, you get **11.5275, 19.8974, 11.6389**, and if you desaturate by 10%, it is **13.1994, 20.6904, 14.8318**.

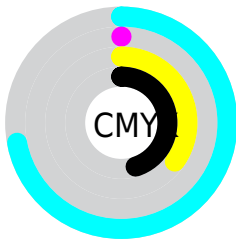
Distribution



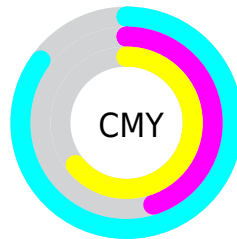
- Red (15%)
- Green (55%)
- Blue (36%)



- Red (15%)
- Yellow (42%)
- Blue (55%)



- Cyan (72%)
- Magenta (0%)
- Yellow (35%)
- Black (45%)





- Cyan (85%)
- Magenta (45%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.2499, 20.2364, 13.1579 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 12.2499, 20.2364, 13.1579 by changing the saturation by 10% instead.

 12.2499, 20.2364,
13.1579


 12.2499, 20.2364,
13.1579


199.7890,
253.1920, 223.1704


 6.9875, 12.5670,
7.4054


 29.5624, 43.8132,
32.2825


 3.5006, 7.1311,
3.6346


 42.3431, 60.4893,
46.4917


 1.4237, 3.5442,
1.4271

 58.3608, 80.9365,
64.3567

 0.2730, 1.4220,
0.1627

 77.9806, 105.5392,
86.2963

 0.0000, 0.2329,
0.0000

 101.5680,
134.6817, 112.7290

 0.0000, 0.0000,
0.0000

 129.4883,

168.7484, 144.0731

162.1069,
208.1237, 180.7475

■ 12.2499, 20.2364,
13.1579

■ 12.2499, 20.2364,
13.1579

■ 11.5275, 19.8974,
11.6389

■ 13.1994, 20.6904,
14.8318

■ 11.0065, 19.6586,
10.2684

■ 14.3948, 21.2673,
16.6639

■ 10.6911, 19.5168,
9.3144

■ 15.8547, 21.9773,
18.6591

■ 17.5954, 22.8285,
20.8216

■ 19.6317, 23.8288,
23.1554

■ 21.9777, 24.9851,
25.6644

■ 24.6461, 26.3039,
28.3523

■ 27.6491, 27.7916,
31.2228

■ 30.9983, 29.4540,
34.2793

Harmonies

Analogous

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



14.5258, 20.2364, 7.1982



12.2499, 20.2364, 13.1579



11.7082, 20.2364, 24.6275

Triad

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



12.2499, 20.2364, 13.1579



20.1195, 20.2364, 58.0644



27.3503, 20.2364, 10.3221

Complementary

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



12.2499, 20.2364, 13.1579



13.5139, 7.8355, 10.2521

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.



29.4438, 20.2364, 19.6293



12.2499, 20.2364, 13.1579



24.8635, 20.2364, 49.6795

Square

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



12.2499, 20.2364, 13.1579



15.8150, 20.2364, 54.0995



28.4682, 20.2364, 34.2062



23.1136, 20.2364, 6.0772

Rectangle

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



12.2499, 20.2364, 13.1579



12.3138, 20.2364, 34.9207



28.4682, 20.2364, 34.2062



28.3564, 20.2364, 12.7861

Sweetspot

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



12.2504, 20.2372, 13.1584



35.1040, 42.6463, 41.4085



14.1082, 21.3708, 5.3011



7.6407, 9.4268, 9.0256



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.



12.2504, 20.2372, 13.1584



19.9962, 35.3337, 19.2113



15.1699, 21.4050, 28.5323



5.4504, 6.0724, 6.3377



9.7559, 17.7982, 8.5349



0.1044, 0.1746, 0.1402

Inverse Universe

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



13.5139, 7.8355, 10.2521



22.4021, 11.7515, 13.7021



12.0768, 7.2606, 2.6846



5.5121, 5.4654, 6.1949



11.0066, 5.5597, 5.6862



0.1163, 0.0576, 0.1127

Previews

White Background



This preview shows how the XYZ color 12.2499, 20.2364, 13.1579 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 12.2499, 20.2364, 13.1579 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 12.2499, 20.2364, 13.1579

Background



This preview shows how black text looks on a background with the XYZ color 12.2499, 20.2364, 13.1579.



This preview shows how white text looks on a background with the XYZ color 12.2499, 20.2364,

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

12.2499, 20.2364, 13.1579

Protanopia

18.5147, 19.8743, 11.2478

Deuteranopia

20.2668, 19.8211, 13.8240



Tritanopia

15.5604, 20.0866, 29.8451

Trichromacy



Original Color

12.2499, 20.2364, 13.1579

Protanomaly

14.8485, 19.3060, 11.9607

Deuteranomaly

15.4251, 18.7940, 13.4043

Tritanomaly

14.1155, 20.1289, 22.5433

Monochromacy



Original Color

12.2499, 20.2364, 13.1579

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

12.1720, 15.6263, 14.4312

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2499, 20.2364, 13.1579 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(39, 141, 91)` looks like.

```
.text, #text, p{  
    color:rgb(39, 141, 91)  
}
```

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(39, 141, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 141, 91) }
```

Border

The CSS property to change the border of an element to XYZ 12.2499, 20.2364, 13.1579 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(39, 141, 91) }
```


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

```
.border{ border-color:rgb(39, 141, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 141, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 141, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 141, 91);  
box-shadow:4px 4px 4px 4px rgb(39, 141,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2499, 20.2364, 13.1579 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 141, 91) }
```

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

```
.background{ background-color: rgb(39, 141,  
91) }
```

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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