

Converting Colors

XYZ(13.1329, 20.2772, 12.2385)

Have a look what the booklet for
XYZ(13.1329, 20.2772, 12.2385)
contains.

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Color

**XYZ(13.1329, 20.2772,
12.2385)**

Conversions

Conversions Part 1

Format	Color
Hex	418B57
RGB	65, 139, 87
RGB Percent	25%, 55%, 34%
CMY	0.7451, 0.4549, 0.6588
CMYK	0.53, 0.00, 0.37, 0.45
HSL	138°, 36%, 40%
HSV	138°, 53%, 55%
XYZ	13.1329, 20.2772, 12.2385
YIQ	110.9460, -27.4120, -31.8600

Conversions

Conversions Part 2

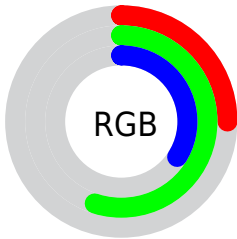
Format	Color
RYB	65, 122, 139
Decimal	4295511
CIELab	52.15, -35.26, 20.98
CIElCh	52, 41.025, 149.247
Yxy	20.2772, 0.2877, 0.4442
Android (android.graphics.Color)	4282485591 (0xFF418B57)
YUV	110.9460, -11.8054, -40.2946
Hunter-Lab	45.0302, -26.7440, 15.4071

Details

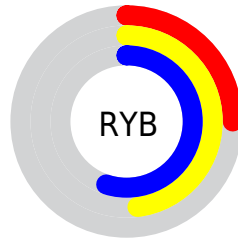
The XYZ color **13.1329, 20.2772, 12.2385** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **15.7493, 10.5543, 18.0375**, and the grayscale version is **15.1331, 15.9212, 17.3381**.

A 20% lighter version of the original color is **31.0565, 43.7976, 30.4838**, and **3.8900, 7.1395, 3.2709** is the 20% darker color. If you saturate the color by 10%, you get **11.9512, 19.7116, 10.2393**, and if you desaturate by 10%, it is **14.5962, 20.9828, 14.5337**.

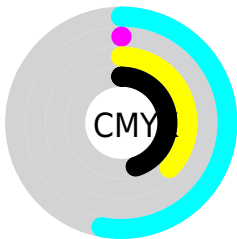
Distribution



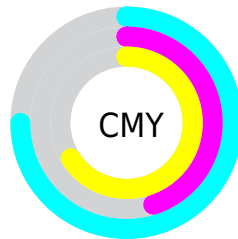
- Red (25%)
- Green (55%)
- Blue (34%)



- Red (25%)
- Yellow (48%)
- Blue (55%)



- Cyan (53%)
- Magenta (0%)
- Yellow (37%)
- Black (45%)



- Cyan (75%)
- Magenta (45%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.1329, 20.2772, 12.2385 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 13.1329, 20.2772, 12.2385 by changing the saturation by 10% instead.

■ 13.1329, 20.2772,
12.2385

■ 13.1329, 20.2772,
12.2385

205.3881,
253.4118, 217.0115

■ 7.5978, 12.5967,
6.7818

■ 31.1416, 43.8814,
30.5996

■ 3.8883, 7.1514,
3.2497

■ 44.3459, 60.5740,
44.3411

■ 1.6391, 3.5570,
1.2235

■ 60.8373, 81.0393,
61.6813

■ 0.4177, 1.4290,
0.0000

■ 80.9811, 105.6618,
83.0387

■ 0.0000, 0.2379,
0.0000

■ 105.1428,
134.8260, 108.8319

■ 0.0000, 0.0000,
0.0000

133.6876,

168.9161, 139.4794

166.9809,
208.3166, 175.3998

■ 13.1329, 20.2772,
12.2385

■ 13.1329, 20.2772,
12.2385

■ 11.9512, 19.7116,
10.2393

■ 14.5962, 20.9828,
14.5337

■ 11.0303, 19.2739,
8.5226

■ 16.3567, 21.8347,
17.1350

■ 10.3493, 18.9542,
7.0759

■ 18.4308, 22.8415,
20.0535

■ 9.8827, 18.7395,
5.8850

■ 20.8331, 24.0105,
23.2997

■ 9.6389, 18.6284,
5.2153

■ 23.5774, 25.3488,
26.8833

■ 26.6766, 26.8627,
30.8136

■ 30.1430, 28.5584,
35.0998

■ 33.9882, 30.4417,
39.7505

■ 38.2233, 32.5182,
44.7740

Harmonies

Analogous

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



15.5907, 20.2772, 7.4230



13.1329, 20.2772, 12.2385



12.2736, 20.2772, 21.7757

Triad

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



13.1329, 20.2772, 12.2385



19.1669, 20.2772, 54.2159



27.2121, 20.2772, 12.5974

Complementary

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



13.1329, 20.2772, 12.2385



15.7493, 10.5543, 18.0375

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.



28.5274, 20.2772, 22.3839



13.1329, 20.2772, 12.2385



23.4934, 20.2772, 49.0285

Square

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



13.1329, 20.2772, 12.2385



15.4316, 20.2772, 48.5127



27.0786, 20.2772, 36.1410



23.7039, 20.2772, 7.5710

Rectangle

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



13.1329, 20.2772, 12.2385



12.6102, 20.2772, 30.6128



27.0786, 20.2772, 36.1410



27.9461, 20.2772, 15.2989

Sweetspot

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



13.1334, 20.2780, 12.2390



35.9044, 42.3138, 39.8519



17.6632, 22.7018, 8.4521



8.0927, 9.6622, 8.9397



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.



13.1334, 20.2780, 12.2390



21.0080, 35.1109, 17.6317



14.9863, 21.0192, 21.9960



5.0291, 5.6311, 5.6741



8.7061, 16.8150, 4.7430



0.0637, 0.1140, 0.0622

Inverse Universe

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



15.7493, 10.5543, 18.0375



26.2036, 15.7250, 29.0945



14.0248, 9.8645, 8.9563



5.1716, 5.1041, 5.9919



11.5935, 5.7475, 10.8959



0.0835, 0.0408, 0.1064

Previews

White Background



This preview shows how the XYZ color 13.1329, 20.2772, 12.2385 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 13.1329, 20.2772, 12.2385 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

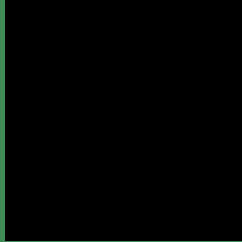
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.1329, 20.2772, 12.2385

Background



This preview shows how black text looks on a background with the XYZ color 13.1329, 20.2772, 12.2385.



This preview shows how white text looks on a background with the XYZ color 13.1329, 20.2772,

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

13.1329, 20.2772, 12.2385

Protanopia

18.5244, 20.0777, 10.6836

Deuteranopia

20.3827, 20.0774, 12.9262



Tritanopia

16.4336, 20.1480, 29.0094

Trichromacy



Original Color

13.1329, 20.2772, 12.2385

Protanomaly

15.7183, 19.5763, 11.1338

Deuteranomaly

16.6424, 19.4418, 12.5484

Tritanomaly

15.0632, 20.2139, 21.8466

Monochromacy



Original Color

13.1329, 20.2772, 12.2385

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

13.8517, 17.0137, 15.1243

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1329, 20.2772, 12.2385 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(65, 139, 87)` looks like.

```
.text, #text, p{  
    color:rgb(65, 139, 87)  
}
```

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(65, 139, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 139, 87) }
```

Border

The CSS property to change the border of an element to XYZ 13.1329, 20.2772, 12.2385 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(65, 139, 87) }
```


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

```
.border{ border-color:rgb(65, 139, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 139, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 139, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 139, 87);  
box-shadow:4px 4px 4px 4px rgb(65, 139,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 13.1329, 20.2772, 12.2385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 139, 87) }
```

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

```
.background{ background-color: rgb(65, 139,  
87) }
```

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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