

Converting Colors

XYZ(14.2656, 20.4104, 12.7995)

Have a look what the booklet for
XYZ(14.2656, 20.4104, 12.7995)
contains.

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Color

**XYZ(14.2708, 20.4233,
12.8628)**

Conversions

Conversions Part 1

Format	Color
Hex	52895A
RGB	82, 137, 90
RGB Percent	32%, 54%, 35%
CMY	0.6784, 0.4627, 0.6471
CMYK	0.40, 0.00, 0.34, 0.46
HSL	129°, 25%, 43%
HSV	129°, 40%, 54%
XYZ	14.2708, 20.4233, 12.8628
YIQ	115.1970, -17.6930, -26.2770

Conversions

Conversions Part 2

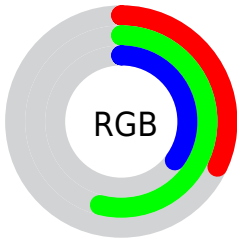
Format	Color
R_{YB}	82, 130, 137
Decimal	5409114
CIE _{Lab}	52.31, -28.70, 19.65
CIE _{LCh}	52, 34.780, 145.608
Yxy	20.4233, 0.3001, 0.4294
Android (android.graphics.Color)	4283599194 (0xFF52895A)
YUV	115.1970, -12.4221, -29.1138
Hunter-Lab	45.1921, -22.7194, 14.7591

Details

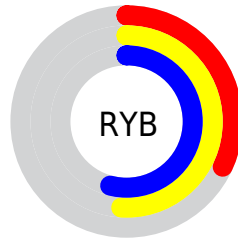
The XYZ color **14.2708, 20.4233, 12.8628** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **17.2969, 12.9384, 22.3554**, and the grayscale version is **16.3963, 17.2502, 18.7855**.

A 20% lighter version of the original color is **33.1959, 44.2234, 31.5973**, and **4.4279, 7.2895, 3.5565** is the 20% darker color. If you saturate the color by 10%, you get **12.7367, 19.6861, 10.3916**, and if you desaturate by 10%, it is **16.1224, 21.3162, 15.7595**.

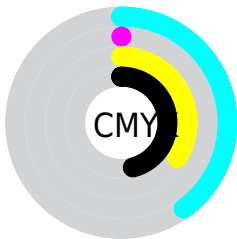
Distribution



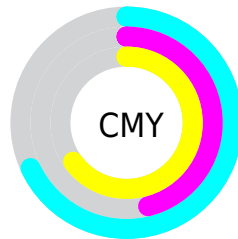
- Red (32%)
- Green (54%)
- Blue (35%)



- Red (32%)
- Yellow (51%)
- Blue (54%)



- Cyan (40%)
- Magenta (0%)
- Yellow (34%)
- Black (46%)



- Cyan (68%)
- Magenta (46%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.2708, 20.4233, 12.8628 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 14.2708, 20.4233, 12.8628 by changing the saturation by 10% instead.

■ 14.2708, 20.4233,
12.8628

■ 14.2708, 20.4233,
12.8628

212.3861,
254.1976, 221.2133

■ 8.3922, 12.7031,
7.2045

■ 33.1510, 44.1257,
31.7446

■ 4.4008, 7.2244,
3.5100

■ 46.8834, 60.8768,
45.8053

■ 1.9313, 3.6029,
1.3606

■ 63.9643, 81.4069,
63.5038

■ 0.5949, 1.4540,
0.1107

■ 84.7593, 106.1005,
85.2587

■ 0.0000, 0.2560,
0.0000

■ 109.6336,
135.3420, 111.4886

■ 0.0000, 0.0000,
0.0000

138.9526,

169.5157, 142.6120

173.0816,
209.0061, 179.0474

■ 14.2708, 20.4233,
12.8628

■ 14.2708, 20.4233,
12.8628

■ 12.7367, 19.6861,
10.3916

■ 16.1224, 21.3162,
15.7595

■ 11.5005, 19.0933,
8.3246

■ 18.3064, 22.3705,
19.0991

■ 10.5432, 18.6361,
6.6407


■ 20.8386, 23.5944,
22.8994


■ 9.8425, 18.3035,
5.3162


■ 23.7334, 24.9950,
27.1772


■ 9.3730, 18.0829,
4.3250


■ 27.0044, 26.5791,
31.9481

 9.0717, 17.9423,
3.6435

 30.6645, 28.3528,
37.2272

 34.7258, 30.3223,
43.0290

 39.2002, 32.4933,
49.3672

 44.0988, 34.8712,
56.2552

Harmonies

Analogous

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



16.5879, 20.4233, 8.7833



14.2708, 20.4233, 12.8628



13.3293, 20.4233, 20.7627

Triad

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



14.2708, 20.4233, 12.8628



18.8897, 20.4233, 48.2304



26.2989, 20.4233, 14.7634

Complementary

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



14.2708, 20.4233, 12.8628



17.2969, 12.9384, 22.3554

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.



27.1096, 20.4233, 23.7805



14.2708, 20.4233, 12.8628



22.5391, 20.4233, 45.1529

Square

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



14.2708, 20.4233, 12.8628



15.7798, 20.4233, 42.7768



25.6592, 20.4233, 35.3243



23.5622, 20.4233, 9.6207

Rectangle

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



14.2708, 20.4233, 12.8628



13.5118, 20.4233, 27.9701



25.6592, 20.4233, 35.3243



26.8190, 20.4233, 17.3471

Sweetspot

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



14.2713, 20.4242, 12.8633



36.3026, 41.7612, 39.4949



19.6243, 23.2210, 11.4307



8.0298, 9.3124, 8.6901



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



14.2713, 20.4242, 12.8633



23.0804, 35.3836, 19.0542



15.6270, 20.9664, 20.0022



4.9996, 5.6193, 5.5188



8.4529, 16.7137, 3.4096



0.0594, 0.1123, 0.0399

Inverse Universe

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



17.2969, 12.9384, 22.3554



29.2600, 20.0759, 38.4272



15.7410, 12.3160, 14.1618



5.2031, 5.1167, 6.1580



12.6081, 6.1534, 16.2384



0.0877, 0.0425, 0.1287

Previews

White Background



This preview shows how the XYZ color 14.2708, 20.4233, 12.8628 looks on a white background.

Color Contrast Check

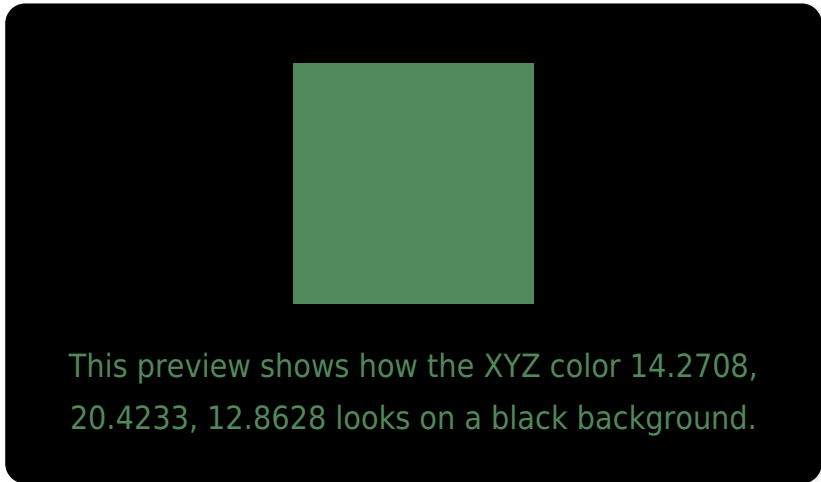
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

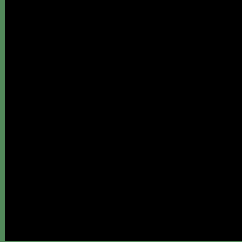
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 14.2708, 20.4233, 12.8628

Background



This preview shows how black text looks on a background with the XYZ color 14.2708, 20.4233, 12.8628.



This preview shows how white text looks on a background with the XYZ color 14.2708, 20.4233,

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

14.2708, 20.4233, 12.8628

Protanopia

18.6789, 20.1395, 11.4972

Deuteranopia

20.4713, 20.1128, 13.3929



Tritanopia

17.4382, 20.4828, 28.2338

Trichromacy



Original Color

14.2708, 20.4233, 12.8628

Protanomaly

16.6408, 20.0335, 12.0066

Deuteranomaly

17.6050, 19.9230, 13.2736

Tritanomaly

16.0202, 20.3040, 21.4871

Monochromacy



Original Color

14.2708, 20.4233, 12.8628

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

15.2780, 18.0901, 16.3222

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.2708, 20.4233, 12.8628 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(82, 137, 90)` looks like.

```
.text, #text, p{  
    color:rgb(82, 137, 90)  
}
```

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(82, 137, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 137, 90) }
```

Border

The CSS property to change the border of an element to XYZ 14.2708, 20.4233, 12.8628 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(82, 137, 90) }
```


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

```
.border{ border-color:rgb(82, 137, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 137, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 137, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 137, 90);  
box-shadow:4px 4px 4px 4px rgb(82, 137,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 14.2708, 20.4233, 12.8628 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 137, 90) }
```

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

```
.background{ background-color: rgb(82, 137,  
90) }
```

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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