

Converting Colors

XYZ(14.6669, 20.9099, 29.2496)

Have a look what the booklet for
XYZ(14.6669, 20.9099, 29.2496)
contains.

XYZ(14.6669, 20.9099, 29.2496)	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(14.6669, 20.9099,
29.2496)**

Conversions

Conversions Part 1

Format	Color
Hex	168C8F
RGB	22, 140, 143
RGB Percent	9%, 55%, 56%
CMY	0.9137, 0.4510, 0.4392
CMYK	0.85, 0.02, 0.00, 0.44
HSL	181°, 73%, 32%
HSV	181°, 85%, 56%
XYZ	14.6669, 20.9099, 29.2496
YIQ	105.0600, -71.2910, -24.0830

Conversions

Conversions Part 2

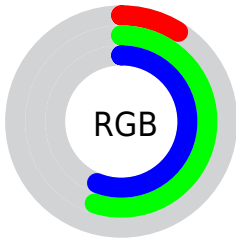
Format	Color
R_{YB}	22, 82, 143
Decimal	1477775
CIE _{Lab}	52.85, -28.58, -10.34
CIE _{LCh}	53, 30.397, 199.886
Yxy	20.9099, 0.2262, 0.3226
Android (android.graphics.Color)	4279667855 (0xFF168C8F)
YUV	105.0600, 18.7044, -72.8436
Hunter-Lab	45.7273, -22.7695, -5.9158

Details

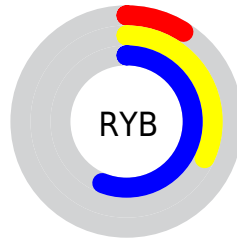
The XYZ color **14.6669, 20.9099, 29.2496** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **11.8207, 6.5935, 1.4094**, and the grayscale version is **13.4095, 14.1079, 15.3635**.

A 20% lighter version of the original color is **33.8840, 44.9419, 59.7121**, and **5.5482, 7.9351, 11.5951** is the 20% darker color. If you saturate the color by 10%, you get **14.3812, 20.6863, 29.2219**, and if you desaturate by 10%, it is **15.1268, 21.2244, 29.2865**.

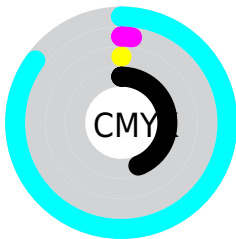
Distribution



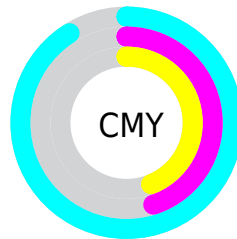
- Red (9%)
- Green (55%)
- Blue (56%)



- Red (9%)
- Yellow (32%)
- Blue (56%)



- Cyan (85%)
- Magenta (2%)
- Yellow (0%)
- Black (44%)



- Cyan (91%)
- Magenta (45%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.6669, 20.9099, 29.2496 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 14.6669, 20.9099, 29.2496 by changing the saturation by 10% instead.

■ 14.6669, 20.9099,
29.2496

■ 14.6669, 20.9099,
29.2496

214.7697,
256.7993, 312.4885

■ 8.6707, 13.0582,
19.0225

■ 33.8442, 44.9375,
59.5203

■ 4.5824, 7.4686,
11.5096

■ 47.7561, 61.8822,
80.4011

■ 2.0366, 3.7569,
6.2922

■ 65.0373, 82.6267,
105.6701

■ 0.6544, 1.5385,
2.9519

■ 86.0531, 107.5553,
135.7459

■ 0.0000, 0.3156,
1.0701

■ 111.1688,
137.0525, 171.0472

■ 0.0000, 0.0000,
0.0000

■ 140.7500,

171.5026, 211.9923

175.1618,
211.2901, 258.9999

■ 14.6669, 20.9099,
29.2496

■ 14.6669, 20.9099,
29.2496

■ 14.3812, 20.6863,
29.2219

■ 15.1268, 21.2244,
29.2865

■ 14.2568, 20.5809,
29.2081

■ 15.7861, 21.6416,
29.3322

■ 16.6668, 22.1731,
29.3884

■ 17.7871, 22.8284,
29.4558

■ 19.1638, 23.6162,
29.5353

■ 20.8119, 24.5440,
29.6276

■ 22.7452, 25.6192,
29.7332

■ 24.9768, 26.8484,
29.8528

■ 27.5188, 28.2378,
29.9871

Harmonies

Analogous

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



14.4481, 20.9099, 19.8321



14.6669, 20.9099, 29.2496



16.1935, 20.9099, 38.9329

Triad

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



14.6669, 20.9099, 29.2496



24.9199, 20.9099, 35.9974



20.9660, 20.9099, 9.5252

Complementary

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



14.6669, 20.9099, 29.2496



11.8207, 6.5935, 1.4094

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.



24.0743, 20.9099, 11.8402



14.6669, 20.9099, 29.2496



26.5128, 20.9099, 25.9788

Square

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



14.6669, 20.9099, 29.2496



22.0247, 20.9099, 43.4921



26.1878, 20.9099, 17.3214



17.8685, 20.9099, 9.9631

Rectangle

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



14.6669, 20.9099, 29.2496



17.8473, 20.9099, 43.4555



26.1878, 20.9099, 17.3214



22.0491, 20.9099, 9.9768

Sweetspot

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



14.6675, 20.9107, 29.2501



36.9771, 43.7898, 53.0414



10.3189, 19.8820, 4.1595



8.2574, 9.9173, 12.1512



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



14.6675, 20.9107, 29.2501



25.5119, 36.8176, 52.2999



8.1939, 7.9633, 27.0922



5.5490, 6.0937, 6.9125



12.6079, 18.2018, 25.8259



0.1229, 0.1787, 0.2477

Inverse Universe

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



16.3488, 8.3075, 25.5536



28.6818, 13.8161, 45.1600



14.6839, 12.3199, 2.3638



5.6206, 5.5088, 6.7659



14.1670, 6.8238, 22.3285



0.1366, 0.0657, 0.2197

Previews

White Background



This preview shows how the XYZ color 14.6669, 20.9099, 29.2496 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 14.6669, 20.9099, 29.2496 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

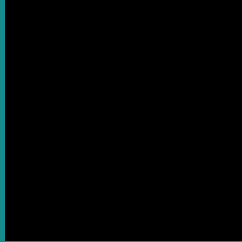
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 14.6669, 20.9099, 29.2496

Background



This preview shows how black text looks on a background with the XYZ color 14.6669, 20.9099, 29.2496.



This preview shows how white text looks on a background with the XYZ color 14.6669, 20.9099,

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

14.6669, 20.9099, 29.2496

Protanopia

20.0247, 20.7207, 25.1344

Deuteranopia

20.9784, 20.5377, 30.4623



Tritanopia

15.2731, 20.9433, 32.0916

Trichromacy



Original Color

14.6669, 20.9099, 29.2496

Protanomaly

16.5225, 19.8461, 26.6268

Deuteranomaly

17.1584, 19.8997, 30.1308

Tritanomaly

14.9511, 20.8048, 30.8315

Monochromacy



Original Color

14.6669, 20.9099, 29.2496

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

12.7099, 15.7846, 19.8296

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.6669, 20.9099, 29.2496 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(22, 140, 143)` looks like.

```
.text, #text, p{  
    color:rgb(22, 140, 143)  
}
```

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(22, 140, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 140, 143) }
```

Border

The CSS property to change the border of an element to XYZ 14.6669, 20.9099, 29.2496 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(22, 140, 143) }
```


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

```
.border{ border-color:rgb(22, 140, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 140, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 140, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 140, 143);  
box-shadow:4px 4px 4px 4px rgb(22, 140,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 14.6669, 20.9099, 29.2496 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 140, 143) }
```

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

```
.background{ background-color: rgb(22, 140,  
143) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor