

Converting Colors

XYZ(16.6261, 22.9090, 23.4061)

Have a look what the booklet for
XYZ(16.6261, 22.9090, 23.4061)
contains.

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Color

**XYZ(16.6408, 22.9487,
23.2911)**

Conversions

Conversions Part 1

Format	Color
Hex	4B907E
RGB	75, 144, 126
RGB Percent	29%, 56%, 49%
CMY	0.7059, 0.4353, 0.5059
CMYK	0.48, 0.00, 0.13, 0.44
HSL	164°, 32%, 43%
HSV	164°, 48%, 56%
XYZ	16.6408, 22.9487, 23.2911
YIQ	121.3170, -35.3460, -20.2260

Conversions

Conversions Part 2

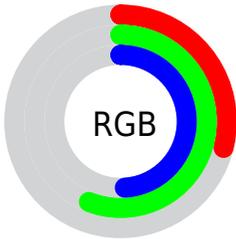
Format	Color
R_{YB}	75, 115, 144
Decimal	4952190
CIE _{Lab}	55.02, -26.40, 2.84
CIE _{LCh}	55, 26.556, 173.870
Yxy	22.9487, 0.2646, 0.3650
Android (android.graphics.Color)	4283142270 (0xFF4B907E)
YUV	121.3170, 2.3087, -40.6200
Hunter-Lab	47.9048, -21.8275, 4.7068

Details

The XYZ color **16.6408, 22.9487, 23.2911** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **15.9942, 11.7524, 11.7823**, and the grayscale version is **18.2780, 19.2299, 20.9414**.

A 20% lighter version of the original color is **37.2329, 48.2320, 49.9952**, and **5.5034, 8.4931, 8.3705** is the 20% darker color. If you saturate the color by 10%, you get **15.4017, 22.3380, 21.9917**, and if you desaturate by 10%, it is **18.1453, 23.6963, 24.6515**.

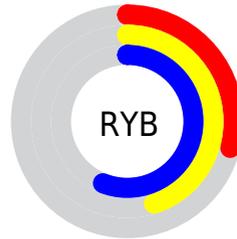
Distribution



Red (29%)

Green (56%)

Blue (49%)



Red (29%)

Yellow (45%)

Blue (56%)

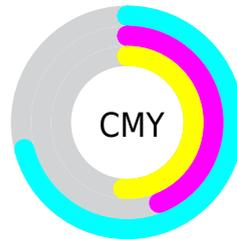


Cyan (48%)

Magenta (0%)

Yellow (13%)

Black (44%)



Cyan (71%)

Magenta (44%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.6408, 22.9487, 23.2911 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 16.6408, 22.9487, 23.2911 by changing the saturation by 10% instead.

■ 16.6408, 22.9487,
23.2911

■ 16.6408, 22.9487,
23.2911

226.2906,
267.4614, 282.3869

■ 10.0724, 14.5556,
14.6013

■ 37.2557, 48.3091,
49.8001

■ 5.5096, 8.5081,
8.3965

■ 52.0329, 66.0452,
68.4564

■ 2.5871, 4.4218,
4.2583

■ 70.2771, 87.6644,
91.2719

■ 0.9394, 1.9122,
1.7681

■ 92.3537, 113.5512,
118.6652

■ 0.0000, 0.5557,
0.4068

■ 118.6280,
144.0899, 151.0548

■ 0.0000, 0.0000,
0.0000

149.4653,

179.6649, 188.8592

185.2311,
220.6606, 232.4971

■ 16.6408, 22.9487,
23.2911

■ 16.6408, 22.9487,
23.2911

■ 15.4017, 22.3380,
21.9917

■ 18.1453, 23.6963,
24.6515

■ 14.4085, 21.8524,
20.7503

■ 19.9290, 24.5863,
26.0725

■ 13.6422, 21.4828,
19.5660

■ 22.0074, 25.6270,
27.5558

■ 13.0798, 21.2173,
18.4372

■ 24.3939, 26.8255,
29.1026

■ 12.6765, 21.0327,
17.3613

■ 27.1012, 28.1884,
30.7139

 12.5978, 20.9969,
17.1430

 30.1415, 29.7217,
32.3908

 33.5260, 31.4314,
34.1343

 37.2655, 33.3230,
35.9453

 41.3704, 35.4018,
37.8248

Harmonies

Analogous

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



17.5410, 22.9487, 16.5752



16.6408, 22.9487, 23.2911



17.0220, 22.9487, 32.1601

Triad

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



16.6408, 22.9487, 23.2911



24.1907, 22.9487, 42.9972



25.3332, 22.9487, 14.0224

Complementary

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



16.6408, 22.9487, 23.2911



15.9942, 11.7524, 11.7823

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.



27.4257, 22.9487, 18.9690



16.6408, 22.9487, 23.2911



26.7256, 22.9487, 35.8508

Square

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



16.6408, 22.9487, 23.2911



21.2115, 22.9487, 44.8875



27.9569, 22.9487, 26.7638



22.4239, 22.9487, 12.0580

Rectangle

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



16.6408, 22.9487, 23.2911



17.9703, 22.9487, 38.0320



27.9569, 22.9487, 26.7638



26.1656, 22.9487, 15.3291

Sweetspot

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



16.6414, 22.9496, 23.2916



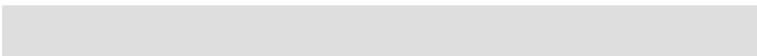
40.2778, 45.9327, 49.5772



15.7988, 22.8035, 10.2259



9.0538, 10.4417, 11.2481



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.



16.6414, 22.9496, 23.2916



27.1145, 39.3732, 38.7301



15.6425, 18.9226, 29.2145



5.5010, 6.0926, 6.6041



10.9799, 18.2878, 14.9800



0.1140, 0.1785, 0.1908

Inverse Universe

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



15.9942, 11.7524, 11.7823



25.8503, 17.2786, 16.0838



16.5220, 13.9373, 8.4764



5.4631, 5.4458, 5.9365



10.3231, 5.2862, 2.0866



0.1067, 0.0537, 0.0621

Previews

White Background



This preview shows how the XYZ color 16.6408, 22.9487, 23.2911 looks on a white background.

Color Contrast Check

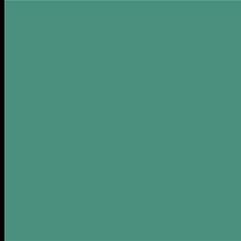
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.6408, 22.9487, 23.2911 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

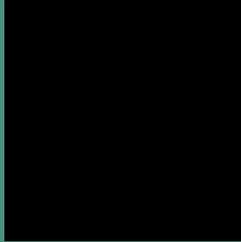
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.6408, 22.9487, 23.2911

Background



This preview shows how black text looks on a background with the XYZ color 16.6408, 22.9487, 23.2911.



This preview shows how white text looks on a background with the XYZ color 16.6408, 22.9487,

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

16.6408, 22.9487, 23.2911

Protanopia

21.5994, 22.7987, 20.7150

Deuteranopia

23.1202, 22.7197, 24.2859



Tritanopia

18.5253, 22.8170, 33.1335

Trichromacy



Original Color

16.6408, 22.9487, 23.2911

Protanomaly

19.2564, 22.5909, 21.7579

Deuteranomaly

19.9577, 22.2820, 24.0178

Tritanomaly

17.7073, 22.6952, 29.4339

Monochromacy



Original Color

16.6408, 22.9487, 23.2911

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

17.1343, 20.0736, 21.7104

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6408, 22.9487, 23.2911 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(75, 144, 126)` looks like.

```
.text, #text, p{  
    color:rgb(75, 144, 126)  
}
```

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(75, 144, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 144, 126) }
```

Border

The CSS property to change the border of an element to XYZ 16.6408, 22.9487, 23.2911 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(75, 144, 126) }
```

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

```
.border{ border-color:rgb(75, 144, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 144, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 144, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 144, 126);  
box-shadow:4px 4px 4px 4px rgb(75, 144,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 16.6408, 22.9487, 23.2911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 144, 126) }
```

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

```
.background{ background-color: rgb(75, 144,  
126) }
```

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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