

Converting Colors

XYZ(32.0204, 39.8949, 48.4987)

Have a look what the booklet for
XYZ(32.0204, 39.8949, 48.4987)
contains.

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Color

**XYZ(31.9292, 39.7487,
48.6373)**

Conversions

Conversions Part 1

Format	Color
Hex	76B4B3
RGB	118, 180, 179
RGB Percent	46%, 71%, 70%
CMY	0.5372, 0.2941, 0.2980
CMYK	0.34, 0.00, 0.01, 0.29
HSL	179°, 29%, 58%
HSV	179°, 34%, 71%
XYZ	31.9292, 39.7487, 48.6373
YIQ	161.3480, -36.6310, -13.4550

Conversions

Conversions Part 2

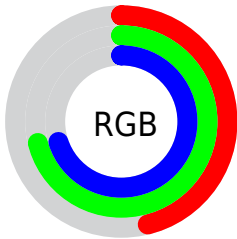
Format	Color
R_YB	118, 149, 180
Decimal	7779507
CIE _{Lab}	69.29, -20.05, -5.83
CIE _{LCh}	69, 20.883, 196.221
Yxy	39.7487, 0.2654, 0.3304
Android (android.graphics.Color)	4285969587 (0xFF76B4B3)
YUV	161.3480, 8.7024, -38.0162
Hunter-Lab	63.0466, -19.9323, -1.6067

Details

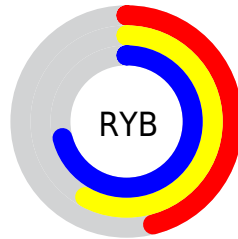
The XYZ color **31.9292, 39.7487, 48.6373** is a light color, and the websafe version is hex **669999**. A complement of this color would be **28.6320, 23.9933, 20.5765**, and the grayscale version is **34.0121, 35.7834, 38.9681**.

A 20% lighter version of the original color is **62.2244, 74.8733, 89.7697**, and **13.5352, 17.8089, 22.4627** is the 20% darker color. If you saturate the color by 10%, you get **29.6852, 38.5962, 48.3797**, and if you desaturate by 10%, it is **34.6421, 41.1448, 48.9188**.

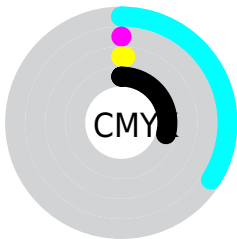
Distribution



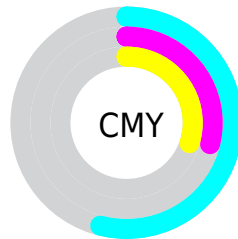
- Red (46%)
- Green (71%)
- Blue (70%)



- Red (46%)
- Yellow (58%)
- Blue (71%)



- Cyan (34%)
- Magenta (0%)
- Yellow (1%)
- Black (29%)



- Cyan (54%)
- Magenta (29%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.9292, 39.7487, 48.6373 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 31.9292, 39.7487, 48.6373 by changing the saturation by 10% instead.

■ 31.9292, 39.7487,
48.6373

■ 31.9292, 39.7487,
48.6373

302.5476,
345.0632, 397.8940

■ 21.4627, 27.3427,
33.9683

■ 62.0660, 74.7807,
89.5279

■ 13.5770, 17.8307,
22.5921

■ 82.4671, 98.1754,
116.5866

■ 7.9068, 10.8285,
14.0901

■ 106.9103,
126.0019, 148.6123

■ 4.0867, 5.9517,
8.0439

135.7612,
158.6444, 186.0234

■ 1.7513, 2.8157,
4.0349

169.3850,
196.4874, 229.2387

■ 0.4881, 1.0363,
1.6445

208.1471,

■ 0.0000, 0.0000,

239.9153, 278.6765

0.3223

252.4129,
289.3124, 334.7554

■ 0.0000, 0.0000,
0.0000

■ 31.9292, 39.7487,
48.6373

■ 31.9292, 39.7487,
48.6373

■ 29.6852, 38.5962,
48.3797

■ 34.6421, 41.1448,
48.9188

■ 27.8799, 37.6690,
48.1422

■ 37.8448, 42.7925,
49.2228

■ 26.4852, 36.9534,
47.9242

■ 41.5614, 44.7051,
49.5511

■ 25.4683, 36.4325,
47.7241

■ 45.8132, 46.8935,
49.9048

■ 24.7913, 36.0869,
47.5403

■ 50.6204, 49.3683,
50.2848

■ 24.4085, 35.8929,
47.3706

■ 56.0020, 52.1391,
50.6920

■ 24.2672, 35.8219,
47.2798

■ 61.9763, 55.2156,
51.1272

■ 65.9361, 57.2535,
51.4686

■ 65.9660, 57.2654,
51.6263

Harmonies

Analogous

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



31.8657, 39.7487, 39.0350



31.9292, 39.7487, 48.6373



33.4984, 39.7487, 58.0039

Triad

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



31.9292, 39.7487, 48.6373



42.6216, 39.7487, 57.3309



39.3342, 39.7487, 27.7283

Complementary

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



31.9292, 39.7487, 48.6373



28.6320, 23.9933, 20.5765

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.



42.4116, 39.7487, 31.2852



31.9292, 39.7487, 48.6373



44.3841, 39.7487, 47.8212

Square

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



31.9292, 39.7487, 48.6373



39.6071, 39.7487, 63.5075



44.3050, 39.7487, 38.3305



36.0099, 39.7487, 27.8797

Rectangle

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



31.9292, 39.7487, 48.6373



35.2431, 39.7487, 62.4402



44.3050, 39.7487, 38.3305



40.4357, 39.7487, 28.5043

Sweetspot

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



31.9304, 39.7503, 48.6382



71.3811, 79.0107, 89.4968



27.2049, 37.8764, 23.0176



15.2307, 16.9755, 19.3259



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



31.9304, 39.7503, 48.6382



54.8583, 70.5123, 87.8441



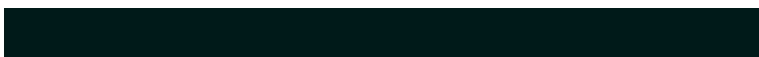
26.6224, 28.9715, 47.3706



8.7366, 9.6291, 10.8726



16.9389, 25.0015, 33.0106



0.5348, 0.7874, 1.0485

Inverse Universe

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



28.6320, 23.9933, 20.5765



48.0083, 37.7826, 29.5611



32.6785, 32.1821, 21.6300



8.5017, 8.5074, 8.8746



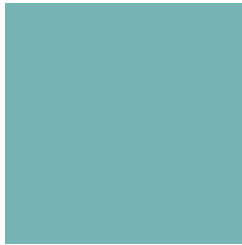
13.1504, 6.7777, 0.6861



0.4156, 0.2140, 0.0312

Previews

White Background



This preview shows how the XYZ color 31.9292, 39.7487, 48.6373 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 31.9292, 39.7487, 48.6373 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

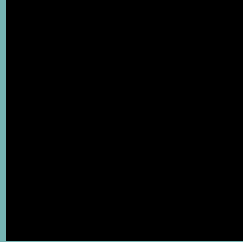
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.9292, 39.7487, 48.6373

Background



This preview shows how black text looks on a background with the XYZ color 31.9292, 39.7487, 48.6373.

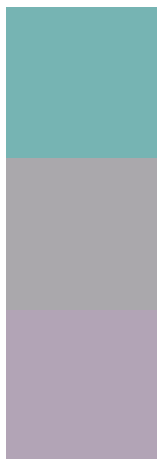


This preview shows how white text looks on a background with the XYZ color 31.9292, 39.7487,

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

31.9292, 39.7487, 48.6373

Protanopia

38.0266, 39.5299, 44.6555

Deuteranopia

40.0791, 39.3933, 49.7472



Tritanopia

33.3200, 39.7115, 55.7781

Trichromacy



Original Color

31.9292, 39.7487, 48.6373

Protanomaly

35.2529, 39.1795, 46.2618

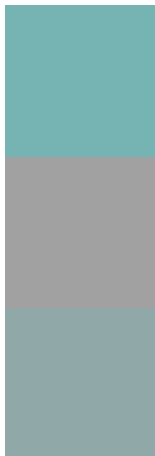
Deuteranomaly

36.4255, 39.1536, 49.3536

Tritanomaly

32.8355, 39.8211, 52.9693

Monochromacy



Original Color

31.9292, 39.7487, 48.6373

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

32.7476, 36.8522, 42.4330

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9292, 39.7487, 48.6373 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(118, 180, 179)` looks like.

```
.text, #text, p{  
    color:rgb(118, 180, 179)  
}
```

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(118, 180, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 180, 179) }
```

Border

The CSS property to change the border of an element to XYZ 31.9292, 39.7487, 48.6373 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(118, 180, 179) }
```


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

```
.border{ border-color:rgb(118, 180, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 180, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 180, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 180, 179);  
box-shadow:4px 4px 4px 4px rgb(118, 180,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9292, 39.7487, 48.6373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 180, 179) }
```

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

```
.background{ background-color: rgb(118,  
180, 179) }
```

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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