

Converting Colors

XYZ(14.6211, 17.8086, 37.1408)

Have a look what the booklet for
XYZ(14.6211, 17.8086, 37.1408)
contains.

XYZ(14.6989, 17.8894, 37.3286)	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(14.6989, 17.8894,
37.3286)**

Conversions

Conversions Part 1

Format	Color
Hex	217EA3
RGB	33, 126, 163
RGB Percent	13%, 49%, 64%
CMY	0.8705, 0.5059, 0.3608
CMYK	0.80, 0.23, 0.00, 0.36
HSL	197°, 66%, 38%
HSV	197°, 80%, 64%
XYZ	14.6989, 17.8894, 37.3286
YIQ	102.4110, -67.3050, -8.2090

Conversions

Conversions Part 2

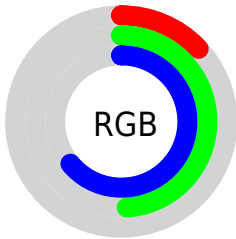
Format	Color
R_{YB}	33, 87, 163
Decimal	2195107
CIE _{Lab}	49.36, -13.35, -27.28
CIE _{LCh}	49, 30.376, 243.928
Yxy	17.8894, 0.2102, 0.2559
Android (android.graphics.Color)	4280385187 (0xFF217EA3)
YUV	102.4110, 29.8704, -60.8734
Hunter-Lab	42.2959, -11.9844, -22.7198

Details

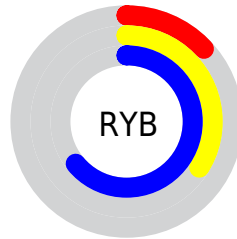
The XYZ color **14.6989, 17.8894, 37.3286** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **17.5698, 12.2779, 2.8834**, and the grayscale version is **12.6747, 13.3347, 14.5215**.

A 20% lighter version of the original color is **33.9206, 39.9548, 72.2539**, and **5.5231, 6.4555, 15.9939** is the 20% darker color. If you saturate the color by 10%, you get **13.7184, 16.5239, 37.1171**, and if you desaturate by 10%, it is **15.9607, 19.4415, 37.5620**.

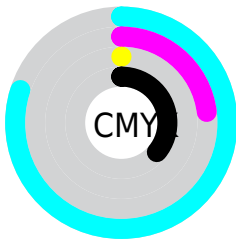
Distribution



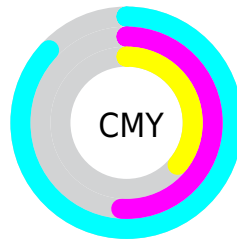
- Red (13%)
- Green (49%)
- Blue (64%)



- Red (13%)
- Yellow (34%)
- Blue (64%)



- Cyan (80%)
- Magenta (23%)
- Yellow (0%)
- Black (36%)



- Cyan (87%)
- Magenta (51%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.6989, 17.8894, 37.3286 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 14.6989, 17.8894, 37.3286 by changing the saturation by 10% instead.

■ 14.6989, 17.8894,
37.3286

■ 14.6989, 17.8894,
37.3286

■ 214.9611,
240.2469, 349.9424

■ 8.6933, 10.8706,
25.1642

■ 33.9001, 39.8488,
72.2698

■ 4.5972, 5.9799,
15.9793

■ 47.8264, 55.5582,
95.8838

■ 2.0452, 2.8329,
9.3553

■ 65.1236, 74.9332,
124.1514

■ 0.6592, 1.0451,
4.8737

■ 86.1571, 98.3583,
157.4911

■ 0.0000, 0.0000,
2.1159

■ 111.2923,
126.2178, 196.3216

■ 0.0000, 0.0000,
0.6252

■ 140.8944,

■ 0.0000, 0.0000,

158.8961, 241.0612

0.0000

175.3289,
196.7777, 292.1287

■ 14.6989, 17.8894,
37.3286

■ 14.6989, 17.8894,
37.3286

■ 13.7184, 16.5239,
37.1171

■ 15.9607, 19.4415,
37.5620

■ 12.9451, 15.3051,
36.9226

■ 17.5347, 21.1955,
37.8176

■ 12.9264, 15.2754,
36.9178

■ 19.4492, 23.1670,
38.0973

■ 21.7289, 25.3692,
38.4022

■ 24.3959, 27.8140,
38.7335

■ 27.4706, 30.5125,
39.0923

■ 30.9719, 33.4747,
39.4795

■ 34.9174, 36.7104,
39.8961

■ 39.3238, 40.2285,
40.3430

Harmonies

Analogous

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



12.8360, 17.8894, 29.6588



14.6989, 17.8894, 37.3286



17.3829, 17.8894, 39.7969

Triad

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



14.6989, 17.8894, 37.3286



23.1015, 17.8894, 18.4194



14.1147, 17.8894, 9.1143

Complementary

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



14.6989, 17.8894, 37.3286



17.5698, 12.2779, 2.8834

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.



16.6294, 17.8894, 7.6114



14.6989, 17.8894, 37.3286



21.9871, 17.8894, 11.9434

Square

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



14.6989, 17.8894, 37.3286



22.4373, 17.8894, 27.2536



19.5369, 17.8894, 8.4794



12.5262, 17.8894, 13.3436

Rectangle

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



14.6989, 17.8894, 37.3286



19.3329, 17.8894, 37.7143



19.5369, 17.8894, 8.4794



14.8688, 17.8894, 8.3371

Sweetspot

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



14.6995, 17.8900, 37.3290



46.5180, 52.3175, 69.7026



14.8253, 26.9583, 10.1901



10.0349, 11.3859, 15.6063



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



14.6995, 17.8900, 37.3290



23.4711, 27.8417, 66.1930



8.9165, 6.3240, 35.4014



7.1050, 7.6689, 9.0088



10.0861, 11.9516, 28.7051



0.2490, 0.3252, 0.6155

Inverse Universe

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



19.4145, 10.3813, 20.7198



32.9601, 16.4559, 31.9316



24.0202, 25.1787, 5.0336



7.2780, 7.1676, 8.4501



14.2365, 7.0506, 13.7018



0.3178, 0.1556, 0.3863

Previews

White Background



This preview shows how the XYZ color 14.6989, 17.8894, 37.3286 looks on a white 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

Black Background



This preview shows how the XYZ color 14.6989, 17.8894, 37.3286 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 14.6989, 17.8894, 37.3286

Background



This preview shows how black text looks on a background with the XYZ color 14.6989, 17.8894, 37.3286.

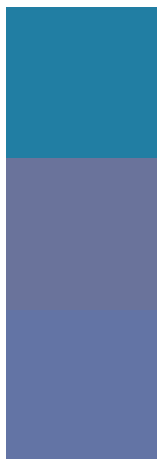


This preview shows how white text looks on a background with the XYZ color 14.6989, 17.8894,

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

14.6989, 17.8894, 37.3286

Protanopia

17.9910, 17.6922, 33.4771

Deuteranopia

18.1825, 17.8600, 38.0863



Tritanopia

12.7163, 17.8587, 27.5878

Trichromacy



Original Color

14.6989, 17.8894, 37.3286

Protanomaly

15.9928, 17.3245, 34.8488

Deuteranomaly

16.3190, 17.6091, 37.6608

Tritanomaly

13.3472, 17.9168, 30.7718

Monochromacy



Original Color

14.6989, 17.8894, 37.3286

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.3831, 14.4019, 21.1960

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.6989, 17.8894, 37.3286 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(33, 126, 163)` looks like.

```
.text, #text, p{  
    color:rgb(33, 126, 163)  
}
```

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(33, 126, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 126, 163) }
```

Border

The CSS property to change the border of an element to XYZ 14.6989, 17.8894, 37.3286 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(33, 126, 163) }
```


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

```
.border{ border-color:rgb(33, 126, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 126, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 126, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 126, 163);  
box-shadow:4px 4px 4px 4px rgb(33, 126,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 14.6989, 17.8894, 37.3286 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 126, 163) }
```

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

```
.background{ background-color: rgb(33, 126,  
163) }
```

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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