

Converting Colors

XYZ(25.8990, 37.2084, 50.0729)

Have a look what the booklet for
XYZ(25.8990, 37.2084, 50.0729)
contains.

XYZ(25.8990, 37.2084, 50.0729)	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(25.8990, 37.2084,
50.0729)**

Conversions

Conversions Part 1

Format	Color
Hex	24B6B6
RGB	36, 182, 182
RGB Percent	14%, 71%, 71%
CMY	0.8588, 0.2863, 0.2863
CMYK	0.80, 0.00, 0.00, 0.29
HSL	180°, 67%, 43%
HSV	180°, 80%, 71%
XYZ	25.8990, 37.2084, 50.0729
YIQ	138.3460, -87.0160, -30.9520

Conversions

Conversions Part 2

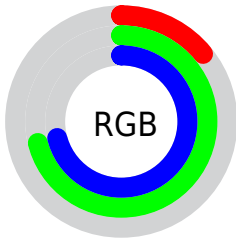
Format	Color
RYB	36, 109, 182
Decimal	2406070
CIELab	67.43, -35.47, -10.53
CIELCh	67, 37.000, 196.527
Yxy	37.2084, 0.2288, 0.3288
Android (android.graphics.Color)	4280596150 (0xFF24B6B6)
YUV	138.3460, 21.5214, -89.7574
Hunter-Lab	60.9987, -30.9597, -5.9712

Details

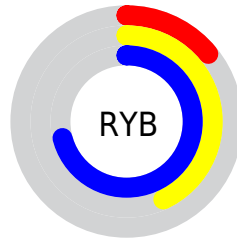
The XYZ color **25.8990, 37.2084, 50.0729** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **20.2419, 11.3354, 2.7912**, and the grayscale version is **24.2356, 25.4977, 27.7670**.

A 20% lighter version of the original color is **52.4376, 70.6371, 91.7595**, and **11.6816, 17.0233, 23.4390** is the 20% darker color. If you saturate the color by 10%, you get **25.4181, 36.9613, 50.0511**, and if you desaturate by 10%, it is **26.7049, 37.6247, 50.1116**.

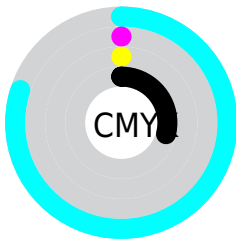
Distribution



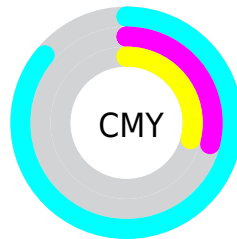
- Red (14%)
- Green (71%)
- Blue (71%)



- Red (14%)
- Yellow (43%)
- Blue (71%)



- Cyan (80%)
- Magenta (0%)
- Yellow (0%)
- Black (29%)





- Cyan (86%)
- Magenta (29%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.8990, 37.2084, 50.0729 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 25.8990, 37.2084, 50.0729 by changing the saturation by 10% instead.


 25.8990, 37.2084,
50.0729


 25.8990, 37.2084,
50.0729

274.5517,
334.2119, 403.6942


 16.8804, 25.3689,
35.0997


 52.5444, 70.8932,
91.6803


 10.2440, 16.3521,
23.4555


 70.9019, 93.5073,
119.1516

 5.6246, 9.7737,
14.7218


 93.1031, 120.4816,
151.6261

 2.6566, 5.2491,
8.4799

 119.5134,
152.2007, 189.5222

 0.9749, 2.3942,
4.3114

 150.4980,
189.0489, 233.2585

 0.0000, 0.8229,
1.7977

186.4223,

 0.0000, 0.0000,

231.4105, 283.2536

0.4264

227.6518,
279.6701, 339.9260

■ 0.0000, 0.0000,
0.0000

■ 25.8990, 37.2084,
50.0729

■ 25.8990, 37.2084,
50.0729

■ 25.4181, 36.9613,
50.0511

■ 26.7049, 37.6247,
50.1116

■ 25.1721, 36.8345,
50.0395

■ 27.8755, 38.2281,
50.1664

■ 29.4485, 39.0390,
50.2402

■ 31.4559, 40.0739,
50.3342

■ 33.9266, 41.3476,
50.4499

■ 36.8870, 42.8737,
50.5886

■ 40.3614, 44.6649,
50.7513

■ 44.3727, 46.7327,
50.9391

■ 48.9422, 49.0884,
51.1531

Harmonies

Analogous

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



25.7769, 37.2084, 33.6577



25.8990, 37.2084, 50.0729



28.3744, 37.2084, 67.6981

Triad

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



25.8990, 37.2084, 50.0729



43.8931, 37.2084, 66.0529



37.9702, 37.2084, 17.0827

Complementary

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



25.8990, 37.2084, 50.0729



20.2419, 11.3354, 2.7912

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.



43.4198, 37.2084, 21.7983



25.8990, 37.2084, 50.0729



47.0782, 37.2084, 48.2426

Square

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



25.8990, 37.2084, 50.0729



38.5623, 37.2084, 78.4814



46.8963, 37.2084, 32.2557



32.3504, 37.2084, 17.3262

Rectangle

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



25.8990, 37.2084, 50.0729



31.1933, 37.2084, 76.4853



46.8963, 37.2084, 32.2557



39.8940, 37.2084, 18.0721

Sweetspot

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



25.9001, 37.2098, 50.0738



64.5125, 76.5098, 91.6030



17.8630, 34.0051, 7.2922



13.8343, 16.6850, 20.2129



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



25.9001, 37.2098, 50.0738



45.7540, 66.8395, 90.7237



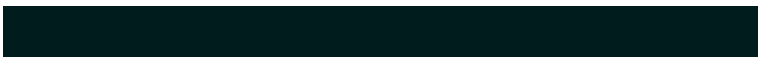
14.9044, 15.2181, 46.4093



9.2667, 10.2107, 11.5619



17.7757, 26.0112, 35.3361



0.6266, 0.9170, 1.2457

Inverse Universe

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



20.2419, 11.3354, 2.7912



35.1301, 18.2571, 1.9449



24.8241, 20.4997, 4.3185



9.0046, 9.0122, 9.3719



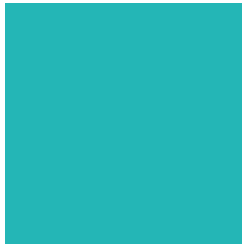
13.6234, 7.0231, 0.6376



0.4803, 0.2476, 0.0225

Previews

White Background



This preview shows how the XYZ color 25.8990, 37.2084, 50.0729 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 25.8990, 37.2084, 50.0729 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

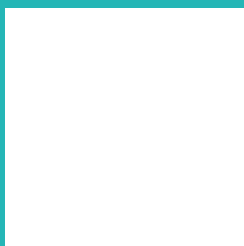
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 25.8990, 37.2084, 50.0729

Background



This preview shows how black text looks on a background with the XYZ color 25.8990, 37.2084, 50.0729.

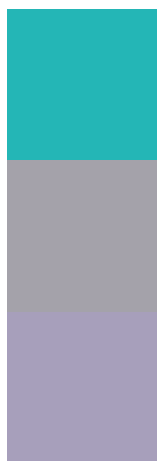


This preview shows how white text looks on a background with the XYZ color 25.8990, 37.2084,

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

25.8990, 37.2084, 50.0729

Protanopia

35.4859, 36.6355, 43.2313

Deuteranopia

37.3041, 36.5996, 52.1120



Tritanopia

27.3439, 37.1870, 57.3664

Trichromacy



Original Color

25.8990, 37.2084, 50.0729



Protanomaly

29.1641, 35.2138, 45.3042



Deuteranomaly

30.1834, 35.0622, 51.0758



Tritanomaly

26.8144, 37.2790, 54.4975

Monochromacy



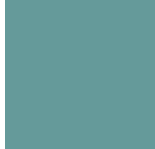
Original Color

25.8990, 37.2084, 50.0729



Achromatopsia

24.1572, 25.4152, 27.6772



Achromatomaly

22.7552, 28.2110, 34.8178

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.8990, 37.2084, 50.0729 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(36, 182, 182)` looks like.

```
.text, #text, p{  
    color:rgb(36, 182, 182)  
}
```

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(36, 182, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 182, 182) }
```

Border

The CSS property to change the border of an element to XYZ 25.8990, 37.2084, 50.0729 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(36, 182, 182) }
```


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

```
.border{ border-color:rgb(36, 182, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 182, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 182, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 182, 182);  
box-shadow:4px 4px 4px 4px rgb(36, 182,  
182) }
```

Background

The CSS property to change the background color of an element to XYZ 25.8990, 37.2084, 50.0729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 182, 182) }
```

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

```
.background{ background-color: rgb(36, 182,  
182) }
```

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