

Converting Colors

XYZ(23.1676, 36.9373, 24.9193)

Have a look what the booklet for
XYZ(23.1676, 36.9373, 24.9193)
contains.

XYZ(23.2328, 37.0014, 24.9863)	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(23.2328, 37.0014,
24.9863)**

Conversions

Conversions Part 1

Format	Color
Hex	45B87C
RGB	69, 184, 124
RGB Percent	27%, 72%, 49%
CMY	0.7294, 0.2784, 0.5137
CMYK	0.62, 0.00, 0.33, 0.28
HSL	149°, 45%, 50%
HSV	149°, 62%, 72%
XYZ	23.2328, 37.0014, 24.9863
YIQ	142.7750, -49.2800, -43.0400

Conversions

Conversions Part 2

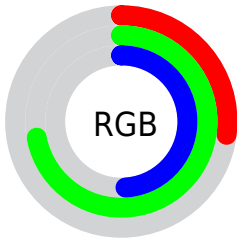
Format	Color
RYB	69, 147, 184
Decimal	4569212
CIELab	67.28, -46.33, 21.14
CIElCh	67, 50.926, 155.477
Yxy	37.0014, 0.2726, 0.4342
Android (android.graphics.Color)	4282759292 (0xFF45B87C)
YUV	142.7750, -9.2561, -64.7007
Hunter-Lab	60.8288, -38.2745, 18.2259

Details

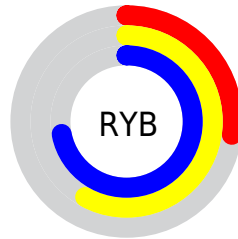
The XYZ color **23.2328, 37.0014, 24.9863** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **25.8589, 16.0323, 22.5017**, and the grayscale version is **26.0693, 27.4269, 29.8679**.

A 20% lighter version of the original color is **48.2932, 70.6741, 52.6911**, and **9.2526, 16.4733, 9.3486** is the 20% darker color. If you saturate the color by 10%, you get **21.5466, 36.1999, 21.8914**, and if you desaturate by 10%, it is **25.3847, 38.0381, 28.4132**.

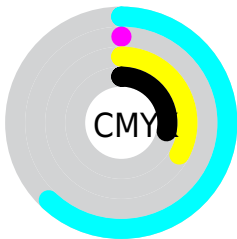
Distribution



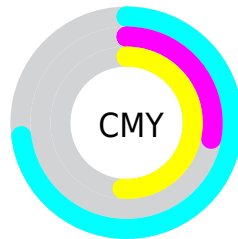
- Red (27%)
- Green (72%)
- Blue (49%)



- Red (27%)
- Yellow (58%)
- Blue (72%)



- Cyan (62%)
- Magenta (0%)
- Yellow (33%)
- Black (28%)





- Cyan (73%)
- Magenta (28%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.2328, 37.0014, 24.9863 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 23.2328, 37.0014, 24.9863 by changing the saturation by 10% instead.


 23.2328, 37.0014,
24.9863


 23.2328, 37.0014,
24.9863

261.4315,
333.3166, 291.2152


 14.8871, 25.2086,
15.8479


 48.2392, 70.5749,
52.5988


 8.8260, 16.2325,
9.2634


 65.6306, 93.1244,
71.9101


 4.6841, 9.6888,
4.8142


 86.7679, 120.0283,
95.4494

 2.0960, 5.1931,
2.0819

 112.0166,
151.6709, 123.6352

 0.6870, 2.3610,
0.6049

 141.7419,
188.4366, 156.8862

 0.0000, 0.8057,
0.0000

176.3093,

 0.0000, 0.0000,

230.7099, 195.6208

0.0000

216.0840,
278.8751, 240.2576

■ 23.2328, 37.0014,
24.9863

■ 23.2328, 37.0014,
24.9863

■ 21.5466, 36.1999,
21.8914

■ 25.3847, 38.0381,
28.4132

■ 20.2827, 35.6085,
19.1152

■ 28.0349, 39.3237,
32.1797

■ 19.3939, 35.2040,
16.6473

■ 31.2162, 40.8760,
36.2962

■ 18.9026, 34.9869,
14.9895

■ 34.9578, 42.7096,
40.7719

■ 39.2866, 44.8385,
45.6155

■ 44.2277, 47.2753,
50.8355

■ 49.8048, 50.0321,
56.4401

■ 56.0402, 53.1203,
62.4373

■ 62.9552, 56.5507,
68.8346

Harmonies

Analogous

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



27.1772, 37.0014, 14.4910



23.2328, 37.0014, 24.9863



22.2740, 37.0014, 44.5199

Triad

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



23.2328, 37.0014, 24.9863



36.6168, 37.0014, 99.7992



48.8206, 37.0014, 20.1787

Complementary

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



23.2328, 37.0014, 24.9863



25.8589, 16.0323, 22.5017

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.



52.2719, 37.0014, 36.3336



23.2328, 37.0014, 24.9863



44.5908, 37.0014, 86.2513

Square

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



23.2328, 37.0014, 24.9863



29.3147, 37.0014, 93.2278



50.6201, 37.0014, 60.8288



41.7544, 37.0014, 12.5186

Rectangle

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



23.2328, 37.0014, 24.9863



23.3128, 37.0014, 61.6841



50.6201, 37.0014, 60.8288



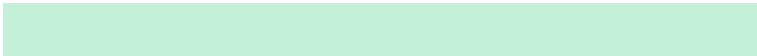
50.4859, 37.0014, 24.5188

Sweetspot

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



23.2338, 37.0029, 24.9871



65.7470, 78.5885, 76.6277



27.4730, 39.4845, 11.8039



13.7145, 16.7164, 15.9948



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.



23.2338, 37.0029, 24.9871



38.1116, 65.1743, 37.7259



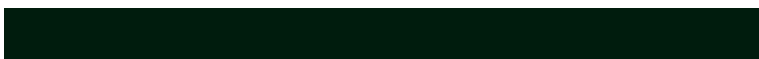
27.8511, 38.8498, 49.3017



9.0644, 10.1297, 10.4965



13.0624, 24.1259, 10.5164



0.4918, 0.8630, 0.5356

Inverse Universe

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



25.8589, 16.0323, 22.5017



43.2549, 24.0205, 32.8071



23.0933, 14.9261, 7.9386



9.1950, 9.0884, 10.3744



15.1145, 7.6196, 8.4897



0.5639, 0.2810, 0.4629

Previews

White Background



This preview shows how the XYZ color 23.2328, 37.0014, 24.9863 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 23.2328, 37.0014, 24.9863 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 23.2328, 37.0014, 24.9863

Background



This preview shows how black text looks on a background with the XYZ color 23.2328, 37.0014, 24.9863.



This preview shows how white text looks on a background with the XYZ color 23.2328, 37.0014,

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

23.2328, 37.0014, 24.9863

Protanopia

33.6940, 36.1924, 21.4296

Deuteranopia

36.9040, 36.2075, 26.1628



Tritanopia

29.1340, 36.9925, 54.3199

Trichromacy



Original Color

23.2328, 37.0014, 24.9863



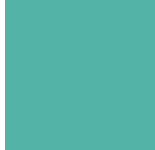
Protanomaly

27.7981, 35.2917, 22.4864



Deuteranomaly

29.2096, 34.8507, 25.6094



Tritanomaly

26.5703, 36.8324, 41.7853

Monochromacy



Original Color

23.2328, 37.0014, 24.9863



Achromatopsia

26.1081, 27.4677, 29.9124



Achromatomaly

23.8733, 29.9443, 27.8141

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2328, 37.0014, 24.9863 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(69, 184, 124)` looks like.

```
.text, #text, p{  
    color:rgb(69, 184, 124)  
}
```

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(69, 184, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 184, 124) }
```

Border

The CSS property to change the border of an element to XYZ 23.2328, 37.0014, 24.9863 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(69, 184, 124) }
```


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

```
.border{ border-color:rgb(69, 184, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 184, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 184, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 184, 124);  
box-shadow:4px 4px 4px 4px rgb(69, 184,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2328, 37.0014, 24.9863 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 184, 124) }
```

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

```
.background{ background-color: rgb(69, 184,  
124) }
```

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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